# SEMAT II USS DOYLE - FFG 39

SHELL CONDITION ASSESSMENT SURVEY
INTERIOR AREAS





SUPERVISOR OF SHIPBUILDING

PREPARED BY SUPSHIP PORTSMOUTH
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#### USS DOYLE – FFG 39 SUMMARY

An Underwater Hull Assessment onboard the USS Doyle, during a SEMAT II inspection was conducted from April 23 to May 4 2001. The ship was berthed at pier Echo, Mayport Naval Station, Mayport, FL.

The assessment, conducted in accordance with Hull Structure MRC 1102, included all accessible interior spaces adjacent to the hull that are at and below the waterline with concentration on Critical Inspection Areas (CIAs) provided by SSPorts.

The inspection, primarily in machinery spaces, which are areas found to be historically susceptible to corrosion on FFG 7 class ships showed the USS DOYLE is in average or better than average condition based on a review of the levels of corrosion on sister hulls. Those areas that showed severe signs of deterioration include; Forward Eductor Room, CHT Pump Room, AMR#1, Engine Room, and AMR#3.

Many of the non-critical assessment areas showed little or no signs of corrosion. In fact, most of those areas and even numerous spaces outside of this assessment were being preserved and painted by ship's company during the SEMAT II visit.

After the assessment of all interior spaces that are adjacent to the hull, at and below the waterline, all discrepancies were documented and were entered into the ship's CSMP for action.

### STRUCTURAL INSPECTION RESULTS SATISFACTORY AREAS

LOCATION	AREA	RESULTS
3-32-2-A	SECURE FORCES ISS	SAT
3-32-1-K	FLAM LIQUID STRM	SAT
3-26-2-T	WTRTT ESC TRUNK	SAT
3-40-2-A	CPO STORE RM	SAT
3-48-2-A	XO STORE RM	SAT
3-53-2-A	CLOTH SMALL STRM	SAT
3-56-0-A	DECK GEAR STRM	SAT
3-93-1-Q	200 MEGAHERTZ ENCL	SAT
3-100-0-L	BERTH/DRESSING	SAT
3-100-1-L	RCN LOUNGE	SAT
3-113-0-L	SANITARY SPACE	SAT
3-140-2-L	RCN LOUNGE	SAT
3-140-1-L	PASSAGE	SAT
3-144-0-L	BERTH/DRESSING	SAT
3-156-2-Q	PIPING SPACE	SAT
3-154-1-Q	PIPING SPACE	SAT
3-180-2-C	SWITCH GEAR RM	SAT
3-180-5-A	DRY PROV STRM	SAT
3-196-2-A	SHIP'S STORE RM	SAT
3-328-0-A	COMB SUPP STRM	SAT
4-32-0-Q	SONAR EQUIPT RM	SAT
4-48-2-L	PASSAGE	SAT
4-56-0-M	SMALL ARM MAG	SAT
4-64-0-Q	MAG SERVICE RM	SAT
4-100-0-E	APU MCHRY RM	SAT
5-226-2-E	SS DIESEL ENCL	SAT
5-226-1-E	SS DIESEL ENCL	SAT
5-376-1-A	BOSN STORE RM	SAT

### STRUCTURAL INSPECTION RESULTS UNSATISFACTORY AREAS

LOCATION	AREA	RESULTS
5-51-0-Q EDUCTOR RM	STBD STRINGERS S1 & S2	STBD STRINGERS S1 & S2 & VERTICAL T
		BEAM ARE DETERIORATED & RUSTED
		THROUGH (MAF 012629)
5-51-0-Q EDUCTOR RM	PORT STRINGER S1	STRINGER S1 (PORT) & VERTICAL T
		BEAM ARE DETERIORATED & RUSTED
		THROUGH (MAF 012630)
4-160-0-Q CHT PUMP	STBD STRINGER S7 AT FR	STRINGER S7 (STBD) RUSTED THROUGH
RM	160	AT WEB AT FR 160 (MAF 012642)
5-180-0-E AMR NO. 1	PORT STRINGERS S6 & S7	STRINGERS S6 & S7 (PORT) RUSTED
	AT FR 204	THROUGH AT WEB AT FR 204 (MAF
		012631)
5-250-0-E	PORT STRINGERS S6, S7,	PORT STRINGERS S6 & S7 BADLY
ENGINEROOM	S8, S9 & S10	ERODED FR 264-FR 278; S8, S9 & S10
		RUSTED OUT HOLES IN WEB AND
		STRINGER. HEAVY PITTING ON SHELL
		BETWEEN STRINGERS 10 & 11 AT FR 271 (MAF 05616)
5-250-0-E	SHELL PLATING (PORT) FR	CROP-OUT & REPLACE HEAVILY PITTED
ENGINEROOM	250-FR 258 AT STRINGERS	PLATING PORT SIDE FR 250-FR 258 AT
ENGINEROOM	S10 & S11	STRINGERS S11 & S10 (MAF 012734)
5-250-0-E	SHELL PLATING (STBD) FR	CROP-OUT & REPLACE APPROX 16 SQFT
ENGINEROOM	258-FR 260, STRINGER S8,	OF HEAVILY PITTED PLATING STBD SIDE.
	FR 258-FR 264	STRINGER S8 DETERIORATED AND
		RUSTED THROUGH FR 258-FR 264 (MAF
		05614)
5-250-0-E	PORT LOWER LVL	PORT SIDE LOWER LVL STRINGERS 5, 6 &
ENGINEROOM	STRINGERS 5, 6 & 7, FR	7, RUSTED AREAS BETWEEN FR 250-FR
	250-FR 264	264 (MAF 05613)
5-292-0-E AMR NO. 3	PORT STRINGERS S10 &	STRINGERS S10 & S11 (PORT) ARE
	S11, FR 316-FR 324 AND FR	RUSTED THROUGH BETWEEN FR 316-FR
	317 BETWEEN S10 & S12	324. WEB FR 317 RUSTED THROUGH
5 000 0 5 AMP NO 0	OTDD OTDINIOED CO AT ED	BETWEEN S10 & S 12 (PORT) (MAF 05617)
5-292-0-E AMR NO. 3	STBD STRINGER S3 AT FR	STIFFENER ON STRINGER S3 STBD AT FR
3-46-1-A SPEC CLOTH	308 STBD LONGITUDINAL 2 <sup>nd</sup>	308 RUSTED OUT (MAF 012644) LONGITUDINAL (STBD) RUSTED –
STRM	FROM DECK, FR46-FR48	APPROX 4 SQFT (MAF 05612)
4-140-0-Q LAUNDRY	PORT STRINGER BELOW	PORT STRINGER BELOW GRATING
THOU GENORDKI	GRATING FR 151-FR 160	RUSTED BETWEEN FR 151-FR 160 (MAF
		05607)
4-140-2-A LAUNDRY	PORT STRINGER & SHELL	DRAIN LINE CAUSES STANDING WATER
STRM	FR 140-FR 151 (BELOW	ON STRINGER AND SHELL PLATING
	GRATING)	BETWEEN FR 140- FR 151, PORT (MAF
		012634)
4-152-1-A CHEM WFARE	STBD STRINGER BELOW	STBD STRINGER & SHELL PLATING
DEF	DECK (FR 152- FR 160)	BELOW DECK FR 152-FR 160 RUSTED
		(MAF 012391)
4-172-1-E FIRE PUMP	PORT STRINGER #7 TO	PORT SHELL FR 172-FR 180 BETWEEN
RM	TANK TOP AND SHELL FR	TANK TOP (5-164-3-F) TO AND INCLUDING
E 242 O E AMD NO 2	172-FR 180	STRINGER #7 RUSTED (MAF 05611)
5-212-0-E AMR NO. 2	PORT AND STBD	LONG STRINGERS 9, 10 & 11 PORT & STBD RUSTED BETWEEN FR 212-FR 220
	STRINGERS 9, 10 & 11, FR 212-FR 220	
	212-FR 22U	(MAF 05610)

### STRUCTURAL INSPECTION RESULTS UNASSESSABLE AREAS

LOCATION	AREA	RESULTS
3-20-0-Q	CHAIN LOCKER	INACCESSIBLE
3-64-2-V	VOID	INACCESSIBLE
3-64-1-V	VOID	INACCESSIBLE
3-84-0-E	A/C MCHRY RM	LOCKED
3-236-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-236-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-240-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-240-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-272-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-272-1-1 3-272-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-278-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-278-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-286-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-286-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-292-8-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-316-1-J	FUEL TANK	UNASSESSABLE REQ GAS FREE
3-322-1-J	FUEL TANK	UNASSESSABLE REQ GAS FREE
4-HOV	VOID	UNASSESSABLE REQ GAS FREE
4-20-0-W	CHAIN LKR SUMP	INACCESSIBLE
4-27-0-V	VOID	UNASSESSABLE REQ GAS FREE
4-56-2-A	DECK GEAR STRM	LOCKED
5-FF-0-V	VOID	UNASSESSABLE REQ GAS FREE
5-32-0-W	SALT WATER TANK	UNASSESSABLE REQ GAS FREE
5-56-0-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-64-0-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-84-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-84-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-100-3-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-100-4-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-116-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-116-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-132-0-F	CONTAMINATED OIL TANK	UNASSESSABLE REQ GAS FREE
5-137-1-T	UNDERWATER LOG TANK	UNASSESSABLE REQ GAS FREE
5-140-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-140-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-164-0-F	CONTAMINATED OIL TANK	UNASSESSABLE REQ GAS FREE
5-164-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-164-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-170-0-F	CONTAMINATED OIL TANK	UNASSESSABLE REQ GAS FREE
5-192-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-201-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-201-3-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-204-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-204-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-220-2-W	WASTE STORAGE TRK	UNASSESSABLE REQ GAS FREE
5-221-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-250-1-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-250-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
5-270-0-F	HYDRAULIC OIL TANK	UNASSESSABLE REQ GAS FREE
5-276-0-F	LUBE OIL TANK	UNASSESSABLE REQ GAS FREE
5-290-2-F	FUEL TANK	UNASSESSABLE REQ GAS FREE
<u></u>		13.11.1332331.1322.112.4 O/10.11122

# EDUCTOR ROOM (5-51-0-Q)

MAF# 01262	9							SHIP	USS DOYLE FF	-G 39	
SYSTEM			ESWBS	EI	С		APL			RIN	ı
Hull Structure  EQUIPMENT NAME			11021 IDENT/SERIAL			LOCA	TION	wo	RK CENTER	JSN	
Shell & Supporting EQUIPMENT STATUS	Structure	PROBLEM	I STATUS	N/A	1		5-51-0-Q	CATEGORY	EMO4		A210
1. SAT - SATISFACTOR	RY	1.	C - CORRECTED		1. S - PER	SONNEL SAFE	TY		4. D - DOWN		1
2. UNSAT - UNSATISFAC 3. TNA - TEST NOT AT	CTORY TEMPTED	2.	A - AWAITING PARTS T - AWAITING TECH AS	SIST*		IPMENT SAFE			5. L - LIMITED		
4. TNC - TEST NOT CO 5. NOB - EQUIPMENT N			.S - SHIP'S FORCE JNCORRECTED PROBLEN	<b>MS</b>							
TYPEAVAILABILITY	WHEN TO ACCOMPLI		STATUS		CAUSE				DEFERRAL REASON		
1. DEPOT	1. IMMEDI		1. OPERATIONAL			MAL ENVIRON		-c	S/F BACKLOG/OPERATION     LACK OF MATERIAL	IAL PRIORTY	
2. IMA	2. PRIOR T UNDERWA		2. NON-OPERATION	AL	3. LACK OF KNOWLEDGE 3. NO FORM					N THIS EQUIPMI	
3. TECH ASSIST	3. PIROR TO NEXT DEPLOYMENT  0. NOT APPLICABLE					COMMUNICATION PROBLEMS     INADEQUATE INSTRUCTION/PROCEDURE     INADEQUATE DESIGN     INADEQUATE DESIGN     INADEQUATE SCHOOL					
4. SHIP'S FORCE	DEPLOYN 4. DURING		0. NOT APPLICABLE		7.NORMA 0. NOT AP	I <b>L WEAR AN</b> I PLICABLE	D TEAR		6. LACK OF FACILITIES/CAPA 7. NOT AUTHORIZED FOR S/	F ACCOMPLISH	
5. SFWL	DEPLOYME AVAILABII	NT							8. FOR S/F OVERHAUL OR AV LIST 9. LACK OF TECHNICAL DOC		JKK
1		3		3				7	0. OTHER OR NOT APPLICAB	LE .	
MAN HRS EXPEND 01	DED	MAN HRS RE	EMAINING	COMPLET	ED ACTION	TAKEN		S/F	MANHOURS	PRI	ORTY
SAFETY HAZARD: 1. SERIOUS - CORRECT AS	S SOON AS POSSIBLE			2. MAINTE	NANCE ACTIO	N COMPLETE	D: PARTS DRAWN D: REQUIRED PAR	TS NOT DRAWN	FROM SUPPLY		MANDATORY SSENTIAL
3. SERIOUS - WAVIER OF	s. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. CANCELLE					AL WILL BE R	D: NO PARTS REQ REMOVED FROM C	SMP		D	HIGHLY DESIRABLE
	5. COMBUSTIBLE MATERIAL 0. NONE OI						D: 3-M CAPABILIT N REMARKS/DESCI		N	4. 0	DESIRABLE 3
DISCREPAN										·	
									s S1 & S2 stbd s	side and	d .
T beam fram	ing betwe	en strin	gers S1 & S	2 are c	omplet	ely det	teriorate	d and ru	sted through.		
RECOMMEND											_
	d replace	approx	imately 12	If of 4"	x10" I	bean	n and 2 I	f of 2"x	3" T beam fran	ning. Pi	rime
and paint.											
SSPORT C221		ISSMAN (	(757) 396-400	01 EXT 2	130, TP	OC: R. I	NORMAN /	C. WILSO	11		
CSMP SUMN		Fal. 10 110				مسمله	حا بد		TEST#	1102/1	
			om stringe	ers are	rustea	throu	ign.		STEP#		
ROOT CAUSE/		ION 1							JILI π		
SYSTEM LEVEL I	IVIPACT										
PART NO.	-		NOMEMCLAT	TURE			QTY	NSN			COST
1											
2											
3											
4											
5											
6											
FIRST CONTACT Henrickso		RATE HTC	SECONI	D CONTA	CT ner		RATE HT:		HONE	-11	
ASSESSOR / ACT	/ TECH ID#			Ull		TD	TL		STICIAN		TSP
	T. LAPP/	F. IBBOT	SON-MSC								



5-51-0-Q Eductor Room STBD Side MAF 012629

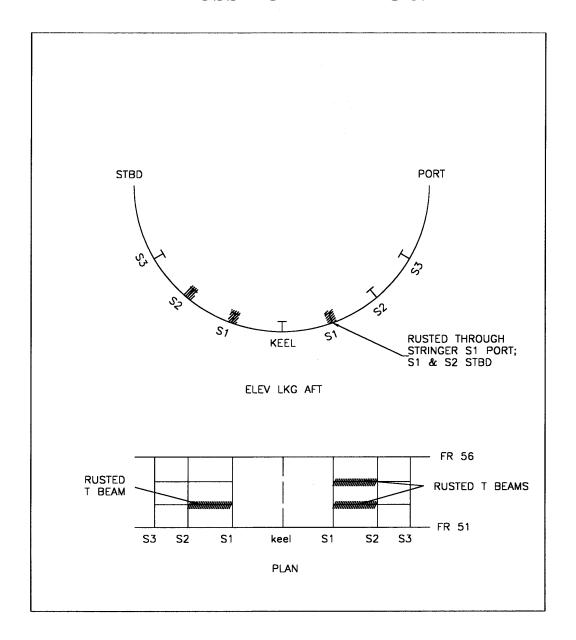
As per SEMAT II Assessment it was found that in compartment 5-51-0-Q stringer S1 & S2 STBD side and T beam framing between stringers S1 & S2 are completely deteriorated and rusted through.

ITEM NUMBER MAF#012630								SHIP	USS DOYLE	FFG 39	
SYSTEM	I	- 11	ESWBS	EI	IC		APL		000 00 122	RIN	ı
Hull Structure EQUIPMENT NAME			11021 IDENT/SERIAL			LOCAT	ION	wo	RK CENTER	JSN	I
Shell & Supporting S	tructure			N/A	11		5-51-0-Q		EMO4		A209
EQUIPMENT STATUS		PROBLEM						CATEGORY			EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACT 3. TNA - TEST NOT ATTE 4. TNC - TEST NOT COMM 5. NOB - EQUIPMENT NOT	MPTED PLETED	2. 3. <b>4</b> .	C - CORRECTED A - AWAITING PARTS T - AWAITING TECH AS S - SHIP'S FORCE JINCORRECTED PROBLEM		2. Z - E	ERSONNEL SAFET QUIPMENT SAFET HARDWARE			4. D - DOWN 5. L - LIMITED		
TYPEAVAILABILITY	WHEN TO BE		STATUS	113	CAUSE				DEFERRAL REASON		
1. DEPOT	1. IMMEDIATI		1. OPERATIONAL			ORMAL ENVIRONM			S/F BACKLOG/OPERATIONAL PRIORTY		
2. IMA	2. PRIOR TO	NEXT	2. NON-OPERATION	2. MANFACTURER/INSTALLATION DEFECTS     3. LACK OF KNOWLEDGE     4. COMMUNICATION PROBLEMS					LACK OF MATERIAL     NO FORMAL TRAINING ON THIS EQUIPME     FORMAL TRAINING INADEQUATE IN THIS		
3. TECH ASSIST	UNDERWAY  3.PIROR TO	NEYT	3. REDUCED CAPA	ABILITY	5. INAD		TION/PROCEDURE	EQUIPMENT  5. INADEQUATE SCHOOL			
4. SHIP'S FORCE	DEPLOYMEN		0. NOT APPLICABLE		7.NOR	MAL WEAR AND APPLICABLE	TEAR		6. LACK OF FACILITIES/C 7. NOT AUTHORIZED FO	CAPABILITIES	
5. SFWL	4. DURING PO DEPLOYMENT AVAILABILIT	Г		2				7	8. FOR S/F OVERHAUL O LIST 9. LACK OF TECHNICAL I 0. OTHER OR NOT APPLI	R AVAILABILITY WO	
1	3			3				,	G. GINER GRAGE	ONDEL	
MAN HRS EXPENDED	)	MAN HRS RE	MAINING	COMPLET	TED ACTIO	N TAKEN		S/F	MANHOURS	PRI	ORTY
U I SAFETY HAZARD:						TION COMPLETED	PARTS DRAWN FR	OM SUPPLY		1. N	MANDATORY
SERIOUS - CORRECT AS S     SERIOUS - SUSPENSION (	SERIOUS - CORRECT AS SOON AS POSSIBLE 2. N. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. N. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. C. SAFETY ITEM - MINOR 7. N.						REQUIRED PARTS NO PARTS REQUII MOVED FROM CSM 3-M CAPABILITY L REMARKS/DESCRIP	not drawn Red P Jtilized		2. E 3. H	SSENTIAL HIGHLY DESIRABLE DESIRABLE
DISCREPANO As per SEMAT	II assessm	nent it w	as found tha	t compa	rtmen	t 5-51-0-0			side and T bea	ım	
framing betv	veen strin	nger S1	& S2 are d	leterio	rated	and rus	ted thro	ugh.			
RECOMMENDE	D REPAIRS	S:									
Crop out and	replace a	approxi	mately 6 lf	of 4"x	10" 1	beam a	nd 4 lf o	f 2"x3	" T beam frar	ming. Pri	me and
paint											
SSPORT C221 P	OC: E DDAI	CCNANI (	757) 206 400	11 EVT 2	120 1	DOC: D N	ODMAN /C	· WII SC	NI.		
CSMP SUMM		SSIVIAIV (	(737) 390-400	JI EXI Z	130, 1	POC. K. N	ORIVIAIN 70	. WILSC	TEST#		
CSIVIP SUIVIIVI		-O Edu	c room stri	inger r	uet th	rough				RC 1102/1	
ROOT CAUSE/A			0 100111 3111	inger i	ust ti	ii ougii.			STEP#		
SYSTEM LEVEL IM		ON I									
STSTEIN LEVEL IIV	PACI										
PART NO.			NOMEMCLAT	ΓURE			QTY	NSN			COST
1											
2											
								<u> </u>			
3											
4											
5											
6								1			
	1 5	ATE	CECONII	D CONTA	CT		DATE		HONE		
FIRST CONTACT Henricksor		ATE HTC	SECONI	D CONTA Ulr	mer		RATE HT2		HONE		
ASSESSOR / ACT	TECH ID# T. LAPP/F.	BBOT	SON-MSC			TD	TL	LOGI	STICIAN		TSP



5-51-0-Q Eductor Room Port Side MAF 012630

As per SEMAT II Assessment it was found that in compartment 5-51-0-Q stringer S1 port side and T beam framing between stringers S1 & S2 are deteriorated and rusted through.



EDUCTOR ROOM (5-51-0-Q)
MAF 012629 & 012630

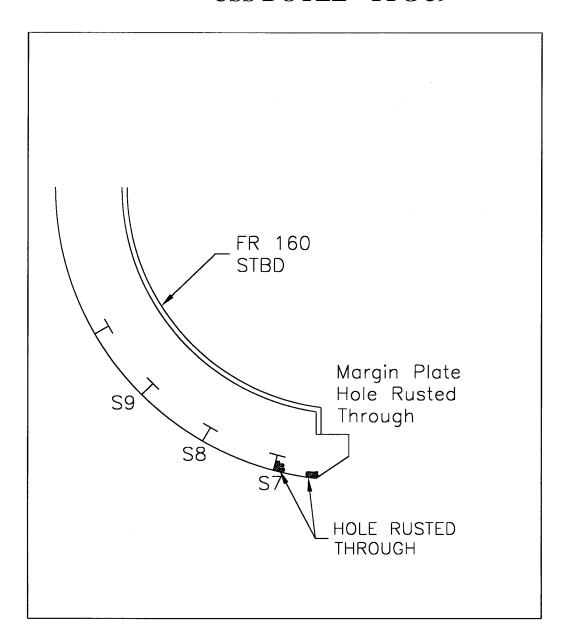
### CHT PUMP ROOM 4-160-0-Q

ITEM NUMBER MAF# 012642								USS DOYLE FFG 39				
SYSTEM Hull Structure			swbs 11021	EI	С		APL				RI	V
EQUIPMENT NAME			IDENT/SERIAL			LOCATI			WORK (		JSI	
Shell & Supporting EQUIPMENT STATUS	Structure	PROBLEM S	STATUS	N/A	1		4-160-0-Q	CATE	GORY	EMO4		A212 EOC
1. SAT - SATISFACTOR			C - CORRECTED		1. S - PERSON					4. D - DOWN		
2. UNSAT - UNSATISFAC 3. TNA - TEST NOT AT	TEMPTED	3. 7	A - AWAITING PARTS Γ - AWAITING TECH AS:	SIST*	<ol> <li>Z - EQUIPM</li> <li>H - HARD</li> </ol>					5. L - LIMITED		
4. TNC - TEST NOT CO 5. NOB - EQUIPMENT N	OT ONBOARD	*U1	- SHIP'S FORCE NCORRECTED PROBLEM	1S								
TYPEAVAILABILITY	WHEN TO BE ACCOMPLISE	HED	STATUS		CAUSE					DEFERRAL REASON		
1. DEPOT	1. IMMEDIA		1. OPERATIONAL	ABNORMAL ENVIRONMENT     MANFACTURER/INSTALLATION DEFEC				1. S/F BACKLOG/OPERATIONAL PRIORTY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT				
2. IMA 3. TECH ASSIST	2. PRIOR TO UNDERWAY	NEXT	NON-OPERATION     REDUCED CAPA		LACK OF KN     COMMUNIC	ATION PROB	BLEMS FION/PROCEDU	4. FORMAL TRAIN				
TECH ASSIST  4. SHIP'S FORCE	3.PIROR TO DEPLOYME		NOT APPLICABLE		6. INADEQUAT 7.NORMAL W	TE DESIGN		KE		5. INADEQUATE SCHOOL P b. LACK OF FACILITIES/CA		IING
5. SFWL	4. DURING P		U. NOT APPLICABLE		0. NOT APPLIC		ILAK			7. NOT AUTHORIZED FOR: B. FOR S/F OVERHAUL OR:	S/F ACCOMPLISH	
5. S. W.E	DEPLOYMEN AVAILABILI	T								LIST P. LACK OF TECHNICAL DO		J
1	1	3		3				-	/	). OTHER OR NOT APPLICA		
MAN HRS EXPEND 01	DED	MAN HRS REN	COMPLETED ACTION TAKEN					S/F MA	NHOURS	PR	IORTY	
SAFETY HAZARD: 1. SERIOUS - CORRECT AS	S SOON AS POSSIBLE		NANCE ACTION CO					M SLIPPLY		MANDATORY ESSENTIAL		
SERIOUS - SUSPENSION     SERIOUS - WAVIER OF	N OF EQUIPMENT/SYS	3. MAINTE	NANCE ACTION CO LED - DEFERRAL V	OMPLETED:	NO PARTS REQ	UIRED	UNIVIT THO	W 3011E1	3.	HIGHLY DESIRABLE		
SAFETY ITEM - MINOR     COMBUSTIBLE MATERIA		7. MAINTE	NANCE ACTION CO OF THE ABOVE, DE	OMPLETED:	3-M CAPABILIT	Y UTILIZED				DESIRABLE 3		
DISCREPAN	CY DESCR	IPTION	· PFR SFM	ΔΤ ΙΙ Ι	NSPECT	ION						<u> </u>
As per SEM							4-160-0	)-Q st	bd si	ide frame 160	0 stringe	er S7 is
rusted thro											<u> </u>	
rusteu tiirot	agir at the	WCD.										
RECOMMEND	ED DEDAID	C.										
Crop out an			mately 8 lf	of 7"x	6 3/4" T I	heam	Prime	and	nain <sup>.</sup>	t		
orop out an	a replace t	аррголи	matery on	01 7 X	0 /4   1	ocuiii.		aria	pairi	ι.		
SSPORT C221	DOC: E DDAI	SCMANI (	757) 206 400	11 EVT 2	120 TDO	^. D. M	ODMAN.	/C \\/\I	LSON			
CSMP SUMN		SSIVIAIV (	737) 370-400	71 LXI Z	130, 1100	5. IX. IV	OKIVIAIN /	C. WI		TEST#		
		CHT pu	ımp room ı	rusted	out strir	naer S	57.				C 1102/1	
ROOT CAUSE/AM		. отт. ре		uotou	<del>out ou ii</del>	igoi c				STEP#		
I												
SYSTEM LEVEL I	MPACT											
	·					1						
PART NO.			NOMEMCLAT	URE			QTY	NS	<u>N</u>			COST
1												
2												
3												
4												
5												
6												
FIRST CONTACT Henrickso	FIRST CONTACT RATE SECOND CO						RATE HT:	2	PHO	NE		
ASSESSOR / ACT	Γ / TECH ID#	UII	ner TD	) [	TL		OGIST	ICIAN		TSP		
	T. LAPP/F	. IBBOTS	ON-MSC									



CHT Pump Room 4-160-0-Q Frame 160 Stringer # 7 MAF 012642

As per SEMAT Assessment it was found that in compartment 4-160-0-Q STBD side frame 160 stringer S7 is rusted through at the web.



ELEV LKG AFT - FR 160 (S) CHT PUMP RM 4-160-0-E MAF 012642

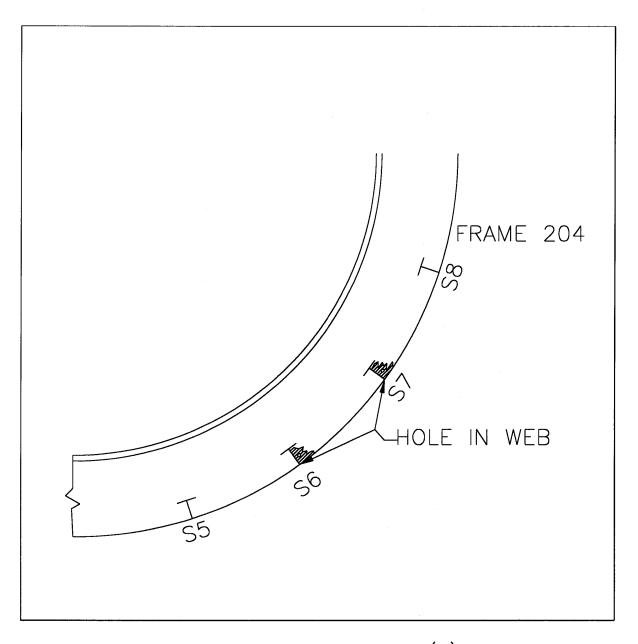
AMR #1 5-180-0-E

MAF# 012631							SHIP	USS DOYLE I	FFG 39										
SYSTEM Hull Structure			SWBS 1021	EIG	С	APL		<u> </u>	RIN										
EQUIPMENT NAME		<u> </u>	IDENT/SERIAL		L	OCATION	W	ORK CENTER	JSN										
Shell & Supporting Struc  EQUIPMENT STATUS	ture	PROBLEM S	TATUS	N/A	<u> </u>	5-180-0-E	CATEGO	EMO4		A214 EOC									
1. SAT - SATISFACTORY			- CORRECTED		1. S - PERSONNEL S	AFFTY		4. D - DOWN											
2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTE		2. A	- AWAITING PARTS - AWAITING TECH ASS	IST*	2. Z - EQUIPMENT S 3. H – HARDWARI	SAFETY		5. L - LIMITED											
4. TNC - TEST NOT COMPLETE 5. NOB - EQUIPMENT NOT ONB			- SHIP'S FORCE CORRECTED PROBLEMS	S															
TYPEAVAILABILITY	WHEN TO BE ACCOMPLISHED		STATUS		CAUSE			DEFERRAL REASON											
1. DEPOT	1. IMMEDIATELY	,	1. OPERATIONAL		ABNORMAL ENVI     MANFACTURER/I	RONMENT NSTALLATION DEFECT:	S/F BACKLOG/OPERATIONAL PRIORTY     LACK OF MATERIAL												
2. IMA	2. PRIOR TO NEX	(T	2. NON-OPERATIONA	L	LACK OF KNOWLE     COMMUNICATION	EDGE	NO FORMAL TRAINING ON THIS EQUIPMENT     FORMAL TRAINING INADEQUATE IN THIS												
3. TECH ASSIST	3.PIROR TO NE	XT	3. REDUCED CAPAE	BILITY		TRUCTION/PROCEDUR	RE	EQUIPMENT 5. INADEQUATE SCHOOL F		NG									
4. SHIP'S FORCE	DEPLOYMENT		0. NOT APPLICABLE		7.NORMAL WEAR 0. NOT APPLICABLE			<ol> <li>LACK OF FACILITIES/CA</li> <li>NOT AUTHORIZED FOR</li> </ol>		MENT									
5. SFWL	<ol> <li>DURING POST DEPLOYMENT</li> </ol>							8. FOR S/F OVERHAUL OR LIST		RK									
1	AVAILABILITY	3		3			7	<ol> <li>LACK OF TECHNICAL DO</li> <li>OTHER OR NOT APPLICATION</li> </ol>											
MAN HRS EXPENDED	M	AN HRS REM	AINING	COMPLET	ED ACTION TAKEN		S	/F MANHOURS	PRIC	ORTY									
01 SAFETY HAZARD:				1. MAINTEI	NANCE ACTION COMPL	ETED: PARTS DRAWN	FROM SUPPLY	,	1. MA	ANDATORY									
SERIOUS - CORRECT AS SOON     SERIOUS - SUSPENSION OF EQ		SPACE REQUI	RED		NANCE ACTION COMPL NANCE ACTION COMPL			'N FROM SUPPLY		SENTIAL IGHLY									
<ol> <li>SERIOUS - WAVIER OF EQUIPM</li> <li>SAFETY ITEM - MINOR</li> </ol>		7. MAINTEI	LED - DEFERRAL WILL I NANCE ACTION COMPL	ETED: 3-M CAPABILITY	Y UTILIZED			E <b>SIRABLE</b> ESIRABLE											
5. COMBUSTIBLE MATERIAL					F THE ABOVE, DESCRIE		RIPTION SECTI	ON		3									
DISCREPANCY																			
As per SEMAT II assessment it was found that in compartment 5-180-0-E stringer S6 & S7 port side frame																			
204 were rusted through at web.																			
DECOMMENDED DEDAIDS:																			
RECOMMENDED I				<b></b>	- / 2/ " T b	Daine													
RECOMMENDED I		proxir	nately 10 l	f of 7"	x6 ¾″ T b	eam. Prim	e and j	paint.											
		proxir	nately 10 I	f of 7"	x6 <sup>3</sup> ⁄4″ T bo	eam. Prim	e and	paint.											
		proxir	nately 10 l	f of 7"	x6 ¾″ T b	eam. Prim	e and <sub>l</sub>	paint.											
Crop out and re	place ap																		
Crop out and re	place ap							SON											
SSPORT C221 POC CSMP SUMMAR	F. PRAISS	SMAN (7	57) 396-400	1 EXT 2	130, TPOC: F	R. NORMAN ∕		SON TEST#	C 1102/1										
SSPORT C221 POC CSMP SUMMAR	F. PRAISS Y: 5-180-0	SMAN (7 -E strii		1 EXT 2	130, TPOC: F	R. NORMAN ∕		GON TEST# MR	C 1102/1										
SSPORT C221 POC CSMP SUMMAR ROOT CAUSE/AMP	F. PRAISS Y: 5-180-0	SMAN (7 -E strii	57) 396-400	1 EXT 2	130, TPOC: F	R. NORMAN ∕		SON TEST#	C 1102/1										
SSPORT C221 POC CSMP SUMMAR	F. PRAISS Y: 5-180-0	SMAN (7 -E strii	57) 396-400	1 EXT 2	130, TPOC: F	R. NORMAN ∕		GON TEST# MR	C 1102/1										
SSPORT C221 POC CSMP SUMMAR ROOT CAUSE/AMP	F. PRAISS Y: 5-180-0	SMAN (7 -E strii	57) 396-400	1 EXT 2°	130, TPOC: F	R. NORMAN ∕		GON TEST# MR		COST									
SSPORT C221 POC CSMP SUMMAR  ROOT CAUSE/AMP SYSTEM LEVEL IMPACE PART NO.	F. PRAISS Y: 5-180-0	SMAN (7 -E strii	57) 396-400 nger 6 and	1 EXT 2°	130, TPOC: F	norman /	C. WILS	GON TEST# MR		COST									
SSPORT C221 POC CSMP SUMMAR  ROOT CAUSE/AMP SYSTEM LEVEL IMPACE PART NO. 1	F. PRAISS Y: 5-180-0	SMAN (7 -E strii	57) 396-400 nger 6 and	1 EXT 2°	130, TPOC: F	norman /	C. WILS	GON TEST# MR		COST									
SSPORT C221 POC CSMP SUMMAR  ROOT CAUSE/AMP SYSTEM LEVEL IMPACE  PART NO.  1	F. PRAISS Y: 5-180-0	SMAN (7 -E strii	57) 396-400 nger 6 and	1 EXT 2°	130, TPOC: F	norman /	C. WILS	GON TEST# MR		COST									
SSPORT C221 POC CSMP SUMMAR  ROOT CAUSE/AMP SYSTEM LEVEL IMPACE  PART NO.  1 2 3	F. PRAISS Y: 5-180-0	SMAN (7 -E strii	57) 396-400 nger 6 and	1 EXT 2°	130, TPOC: F	norman /	C. WILS	GON TEST# MR		COST									
SSPORT C221 POC CSMP SUMMAR  ROOT CAUSE/AMP SYSTEM LEVEL IMPACE  PART NO.  1 2 3 4	F. PRAISS Y: 5-180-0	SMAN (7 -E strii	57) 396-400 nger 6 and	1 EXT 2°	130, TPOC: F	norman /	C. WILS	GON TEST# MR		COST									
SSPORT C221 POC CSMP SUMMAR  ROOT CAUSE/AMP SYSTEM LEVEL IMPACE  PART NO.  1 2 3	F. PRAISS Y: 5-180-0	SMAN (7 -E strii	57) 396-400 nger 6 and	1 EXT 2°	130, TPOC: F	norman /	C. WILS	GON TEST# MR		COST									
SSPORT C221 POC CSMP SUMMAR  ROOT CAUSE/AMP SYSTEM LEVEL IMPACE  PART NO.  1 2 3 4 5	F. PRAISS Y: 5-180-0 LIFICATIO	6MAN (7 -E strii N I	nger 6 and	1 EXT 2	130, TPOC: F	A. NORMAN /	NSN	SON TEST# MR STEP#		COST									
SSPORT C221 POC CSMP SUMMAR  ROOT CAUSE/AMP SYSTEM LEVEL IMPACE  PART NO.  1 2 3 4 5	F. PRAISS Y: 5-180-0	6MAN (7 -E strii N I	nger 6 and	1 EXT 2°	130, TPOC: F	norman /	NSN	GON TEST# MR		COST									
SSPORT C221 POC CSMP SUMMAR  ROOT CAUSE/AMP SYSTEM LEVEL IMPACE  PART NO.  1 2 3 4 5 6 FIRST CONTACT Henrickson ASSESSOR / ACT / TE	F. PRAISS Y: 5-180-0 LIFICATIO	E HTC	57) 396-400 nger 6 and NOMEMCLATI	1 EXT 2	130, TPOC: F	R. NORMAN / h.  QTY  RATE	NSN	SON TEST# MR STEP#		COST									



AMR #1 5-180-0-E Frame 204 Port Side MAF 012631

As per SEMAT Assessment it was found that in compartment 5-180-0-E stringer S6 & S7 port side frame 204 were rusted through at web.



ELEV LKG AFT - FR 204 (P) AMR NO 1 (5-180-0-E) MAF 012631

### ENGINE ROOM 5-250-0-E

MAF 05616 SHIP USS DOYLE FFG 39								FG 39		
SYSTEM Hull Structure	<u> </u>		swвs 11021	EIC	С	APL			RI	IN
EQUIPMENT NAME	<u> </u>		IDENT/SERIAL			LOCATION	wo	RK CENTER	JS	
Shell & Supporting S	Structure	PROBLEM S	STATUS	N/A	1	5-250-0-E	CATEGOR	EMO4		A217 EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFAC 3. TNA - TEST NOT ATTI 4. TNC - TEST NOT COM	TORY EMPTED	1. ( 2. <i>I</i> 3. 1	C - CORRECTED A - AWAITING PARTS T - AWAITING TECH AS G - SHIP'S FORCE	SSIST*	1. S - PERSON 2. Z - EQUIPME 3. H – HARDV	ENT SAFETY		4. D - DOWN 5. L - LIMITED		
5. NOB - EQUIPMENT NO TYPEAVAILABILITY			NCORRECTED PROBLE STATUS	MS	CAUSE			DEFERRAL REASON		
1. DEPOT	ACCOMPLISHE				ENVIRONMENT					
2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	3.PIROR TO NEXT DEPLOYMENT  4. DURING POST DEPLOYMENT AVAILABILITY				2. MANFACTUR 3. LACK OF KN 4. COMMUNICA 5. INADEQUAT 6. INADEQUAT	RER/INSTALLATION DEFECT: OWLEDGE ATION PROBLEMS E INSTRUCTION/PROCEDUR E DESIGN FEAR AND TEAR		2. LACK OF MATERIAL 3. NO FORMAL TRAINING I 4. FORMAL TRAINING INAI EQUIPMENT 5. INADEQUATE SCHOOL P 6. LACK OF FACILITIES/CA 7. NOT AUTHORIZED FOR 8. FOR S/F OVERHAUL OR LIST 9. LACK OF TECHNICAL D C. OTHER OR NOT APPLIC	ON THIS EQUIPIDEQUATE IN THE PRACTICAL TRAIP PABILITIES S/F ACCOMPLIS AVAILABILITY VOCUMENTATION	IS NING HMENT VORK
1	- I	3	MAINING		3 COMPLETED ACTION TAKEN			MANHOURS		NORTY
MAN HRS EXPENDE	MAN HRS EXPENDED MAN HRS REMAINING 01					EIV	5/1	NIMINHUNKS		RIORTY
SAFETY HAZARD:  1. SERIOUS - CORRECT AS 2. SERIOUS - SUSPENSION 3. SERIOUS - WAVIER OF E 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIA  DISCREPANO	OF EQUIPMENT/SYSTE EQUIPMENT/SYSTEM			2. MAINTEN 3. MAINTEN 4. CANCELL 7. MAINTEN 0. NONE OF	NANCE ACTION CO NANCE ACTION CO LED - DEFERRAL W NANCE ACTION CO F THE ABOVE, DES	OMPLETED: PARTS DRAWN I OMPLETED: REQUIRED PART OMPLETED: NO PARTS REQU VILL BE REMOVED FROM CS OMPLETED: 3-M CAPABILITY SCRIBE IN REMARKS/DESCR	rs not drawn Jired MP Utilized		2. <b>3.</b>	MANDATORY ESSENTIAL HIGHLY DESIRABLE DESIRABLE
							-E strin	ger S8, S9 & S	10 have	rusted
								me 264 and fra		
		_				inger 11 fran			arrie 27	o por t
side. neavy	pitting are	eas bet	ween sun	igei iu	and Sui	inger i i iran	ne 27 i			
RECOMMENDE Crop out and			ach string	jer. Stri	ngers 8,	9 and 10 6"	x 6 ½″	T beam and st	tringer	6, 7
7″x6 ¾″ T b	eam. Clad	weld h	neavily pit	ted area	a.					
SSPORT C221 F	POC: F PRAIS	SSMAN (	757) 396-40	01 FXT 21	130 TPOC	: R. NORMAN /	C WILSO	ON		
CSMP SUMN			707,070 10	<u> </u>	,		0. 11.120	TEST#		
		has de	teriorated	l stringe	er S6. S7	, S8, S9, and	I S10.	MRG	C 1102/1	
ROOT CAUSE/A				<u> </u>		7 7 7		STEP#		
SYSTEM LEVEL IN		ON II								
									-10	
PART NO.			NOMEMCLA	TURE		QTY	NSN			COST
1										
2										
3										
4										
5										
6										
	II		1							
FIRST CONTACT Henrickso		TE HTC	SECON	ID CONTAC Ulm		RATE HT2		HONE		
ASSESSOR / ACT	SESSOR / ACT / TECH ID#					TL	LOG	STICIAN		TSP
	T. LAPP/F.	IBBOTS	ON-MSC							



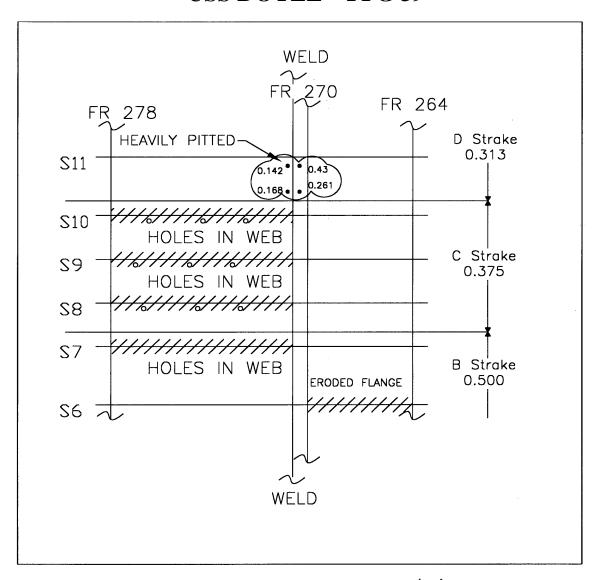
Engine Room 5-250-0-E Frame 271 Port Side MAF 05616

As per SEMAT II it was found that in compartment 5-250-0-E stringers S8, S9, & S10 have rusted out holes in web, and stingers S6 and S7 are badly eroded and have holes. Between frames 264-278 port side, heavily pitted area between stringer S10 and stringer S11 frame 271.



Engine Room 5-250-0-E Frame 271 Port Side MAF 05616

As per SEMAT II it was found that in compartment 5-250-0-E stringers S8, S9, & S10 have rusted out holes in web, and stingers S6 and S7 are badly eroded and have holes. Between frames 264-278 port side, heavily pitted area between stringer S10 and stringer S11 frame 271.



SECT LKG OUTBD (P) ENGINEROOM (5-250-0-E) MAF 05616

ITEM NUMBER MAF# 012734								SHIP USS DOYLE FFG 39				
SYSTEM Hull Structure	I		ESWBS 11021	IC		APL			R	IN		
EQUIPMENT NAME	· · · · · · · · · · · · · · · · · · ·	11	IDENT/SERIAL			LOCAT		WO	RK CENTER	JS		
Shell & Supporting S EQUIPMENT STATUS	structure	PROBLEM S	STATUS	N/A			5-250-0-E	CATEGORY	EMO4		A222 EOC	
1. SAT - SATISFACTORY			C - CORRECTED		1. S - PERSON				4. D - DOWN			
2. UNSAT - UNSATISFACT 3. TNA - TEST NOT ATTE 4. TNC - TEST NOT COM	MPTED	3. 7	A - AWAITING PARTS T - AWAITING TECH A S - SHIP'S FORCE		2. Z - EQUIPM 3. H – HARD		Y		5. L - LIMITED			
5. NOB - EQUIPMENT NO			NCORRECTED PROBLE	EMS					V			
TYPEAVAILABILITY	ACCOMPLISHE		STATUS		1. ABNORMAL				DEFERRAL REASON			
1. DEPOT 2. IMA							ENT LATION DEFECTS		S/F BACKLOG/OPERATIONAL PRIORTY     LACK OF MATERIAL			
3. TECH ASSIST	UNDERWAY TECH ASSIST 3. REDUCED CAPABILIT						BLEMS TION/PROCEDURE	NO FORMAL TRAINING ON THIS EQUIPMENT     FORMAL TRAINING INADEQUATE IN THIS     EQUIPMENT				
4. SHIP'S FORCE	3.PIROR TO NEXT						TEAR		INADEQUATE SCHOOL PR     LACK OF FACILITIES/CAPA	ABILITIES		
5. SFWL	0. NOT APPLIC	CABLE			7. NOT AUTHORIZED FOR S/ 8. FOR S/F OVERHAUL OR AV							
	DEPLOYMENT AVAILABILITY	_		2				7	9. LACK OF TECHNICAL DOC 0. OTHER OR NOT APPLICAB			
MAN HRS EXPENDE	D 1	3 MAN HRS REN	MAINING	3 COMPLET	TED ACTION TAK	ŒN		/ S/F	MANHOURS		RIORTY	
01			-									
SAFETY HAZARD:  1. SERIOUS - CORRECT AS S		MICDAGE DEGI	11050	2. MAINTE	ENANCE ACTION C	OMPLETED:	PARTS DRAWN FRO	IOT DRAWN	FROM SUPPLY	2.	MANDATORY ESSENTIAL	
2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. MAINTENANCE ACTION C 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. CANCELLED - DEFERRAL V 5. MAINTENANCE ACTION C 7. MAINTENANCE ACTION C							MOVED FROM CSMP				HIGHLY DESIRABLE DESIRABLE	
4. SAFETY TEM - MINOR 5. COMBUSTIBLE MATERIAL 0. NONE OF THE ABOVE, D.									V	4.	3	
DISCREPANO												
-					-				plate was heav	-		
below minim	num thickn	iess at	frame 25	0-258 a	it stringe	ers S	11 & \$10	respe	ctively on the p	ort si	de.	
RECOMMENDE				· · · · · · · ·				644			. (1 - 1	
			matery 32	sqfto	T 0.313 p	olate	at stringe	er 511	and 0.375 pla	te 6 sc	rt at	
frame 258 st	ringer S10	).										
SSPORT C221 P	OC: F. PRAIS	SMAN (	757) 396-40	01 EXT 2	130, TPO	C: R. N	ORMAN /C.	WILSO	DN			
CSMP SUMM									TEST#	1102/1		
	250-0-E er	ngine r	oom has h	neavily	pitted sh	nell p	late.			1102/1		
ROOT CAUSE/AMF	PLIFICATION								STEP#			
CVCTEM LEVEL IN	ADA CT											
SYSTEM LEVEL IN	IPACI											
PART NO.	-		NOMEMCLA	TURE			QTY	NSN			COST	
1												
2												
3												
4												
5												
6												
IL FIRST CONTACT	RA	TE	SECON	ND CONTAC	CT		RATE	P	HONE			
Henrickson		HTC	32001		mer		HT2	<u></u>				
ASSESSOR / ACT		IDDATA			TD	)	TL	LOGI	STICIAN		TSP	
	T. LAPP/F.	IRROLS	ON-MSC					<u> </u>				



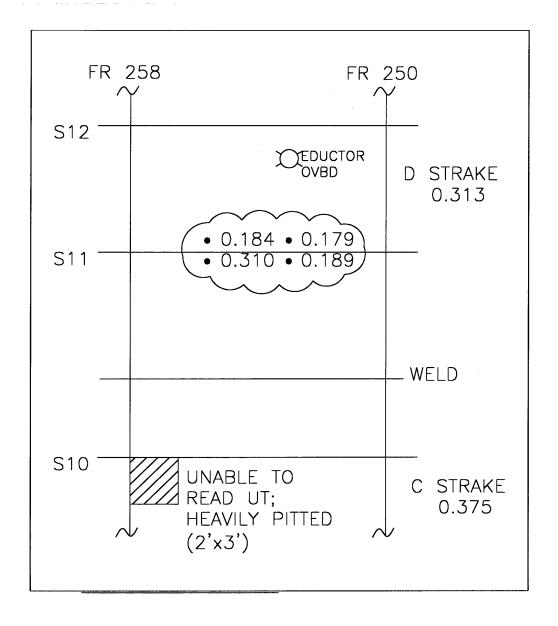
Engine Room 5-250-0-E Frame 250-258 - Port Side MAF 012734

As per SEMAT II Assessment it was found that in compartment 5-250-0-E shell plate was heavily pitted and below minimum thickness at frame 250-258 at stringer S10 respectively on the port side.



Engine Room 5-250-0-E Frame 252 Port MAF 012734

As per SEMAT II Assessment it was found that in compartment 5-250-0-E shell plate was heavily pitted and below minimum thickness at frame 250-258 at stringer S10 respectively on the port side.



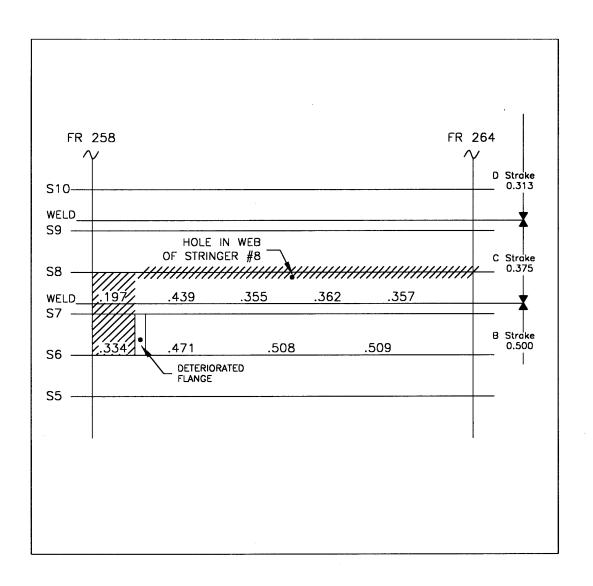
SECT LKG OUTBD (P) ENGINEROOM (5-250-0-E) MAF 012734

ITEM NUMBER MAF# 05614							S	HIP	USS DOYLE F	FG 39	
SYSTEM Hull Structure	•		swbs 1021	EI	С		APL			RI	IN
EQUIPMENT NAME Shell & Supporting	Structuro	.,	IDENT/SERIAL	N/A		LOCATIO	on 5-250-0-E	WOF	RK CENTER EMO4	JS	A215
EQUIPMENT STATUS	Structure	PROBLEM S	TATUS	IV/A			J-230-0-L	CATEGORY	LIVIO4		EOC
1. SAT - SATISFACTOR 2. UNSAT - UNSATISFAC 3. TNA - TEST NOT COM 4. TNC - TEST NOT COM 5. NOB - EQUIPMENT NC	TORY EMPTED IPLETED	2. A 3. T 4.S	- CORRECTED - AWAITING PARTS - AWAITING TECH ASS - SHIP'S FORCE		1. S - PERSON 2. Z - EQUIPM 3. H – HARDV	IENT SAFETY			4. D - DOWN 5. L - LIMITED		
TYPEAVAILABILITY	WHEN TO BE		STATUS	5	CAUSE				DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	ACCOMPLISHE  1. IMMEDIATE!  2. PRIOR TO N UNDERWAY  3.PIROR TO N DEPLOYMENT  4. DURING POS DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONA 3. REDUCED CAPAI 0. NOT APPLICABLE	4. COMMUNICATION PROB			ATION DEFECTS LEMS ON/PROCEDURE	7	1. S/F BACKLOG/OPERATION     2. LACK OF MATERIAL     3. NO FORMAL TRAINING OI     4. FORMAL TRAINING INADI     EQUIPMENT     5. INADEQUATE SCHOOL PR     6. LACK OF FACILITIES/CAP.     7. NOT AUTHORIZED FOR S.     8. FOR S/F OVERHAUL OR A     LIST     9. LACK OF TECHNICAL DOC     0. OTHER OR NOT APPLICAE	NG ON THIS EQUIPMENT NADEQUATE IN THIS  DL PRACTICAL TRAINING //CAPABILITIES  OR S/F ACCOMPLISHMENT OR AVAILABILITY WORK  DOCUMENTATION		
MAN HRS EXPENDI	ED !	3 MAN HRS REM	AINING	3 COMPLET	ED ACTION TAK	ŒN		/ S/F	MANHOURS		RIORTY
O1 SAFETY HAZARD: 1. SERIOUS - CORRECT AS 2. SERIOUS - SUSPENSION 3. SERIOUS - WAVIER OF E 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIA DISCREPANO	OF EQUIPMENT/SYSTE EQUIPMENT/SYSTEM			2. MAINTEI 3. MAINTEI 4. CANCELI 7. MAINTEI 0. NONE O	NANCE ACTION CONNANCE ACTION CONNANCE ACTION CONNANCE ACTION CONNANCE ACTION CONTINUE ACTION C	OMPLETED: R OMPLETED: N WILL BE REMO OMPLETED: 3 SCRIBE IN RE	EQUIRED PARTS N IO PARTS REQUIRE OVED FROM CSMP -M CAPABILITY UT	NOT DRAWN I ED FILIZED		2. <b>3.</b>	MANDATORY ESSENTIAL HIGHLY DESIRABLE DESIRABLE
through			frame 258	-260 S	STBD side	e. Stri	inger S8	is det	eriorated and	rusted	
RECOMMENDI Crop out and stringer, 2 If	d replace a	pproxir		sq ft of	f 0.500 բ	olate B	3-strake	and 8	If of 6"x6 ½"	T bean	n for S8
SSPORT C221 F	POC: F. PRAIS	SMAN (7	57) 396-400	1 EXT 2	130, TPO	C: R. NO	RMAN /C.	WILSO	N		
CSMP SUMM		-E Engi	ne shell pla	ating h	neavily p	oitted				1102/1	
ROOT CAUSE/A		II ис							STEP#		
SYSTEM LEVEL II	MPACT										
PART NO.	-		NOMEMCLAT	URE			QTY	NSN			COST
1											
2											
3											
4											
5											
6	11										
FIRST CONTACT Henrickso		TE HTC	SECOND	) CONTAC UIn	ner		RATE HT2		HONE		TCD
ASSESSOR / ACT	<b>T. LAPP/F.</b>	IBBOTS	ON-MSC		TD	)	TL	LOGIS	STICIAN		TSP



5-250-0-E Engine Room Frame 260 STBD Stringer # 8 MAF 05614

As per SEMAT Assessment it was found that in compartment 5-250-0-E shell plate is heavily pitted and below minimum thickness at frame 258-260 STBD side. Stringer (S8) is deteriorated and rusted through at frame 258-264.



SECT LKG OUTBD (S) FR 258 - FR 264 ENGINEROOM (5-250-0-E) MAF 05614

ITEM NUMBER MAF# 05613					SHIP				USS DOYLE FFG 39			
SYSTEM Hull Structure	•		ESWBS 11021	EI	С		APL			RIN		
EQUIPMENT NAME Shell and Stringers			IDENT/SERIAL	NI/A		LOCAT	ION 5-250-0-E	WOI	RK CENTER EMO4	JSN		
EQUIPMENT STATUS		PROBLEM S	STATUS	N/A		<u> </u>		CATEGORY	EIVIO4		A208 EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACT 3. TNA - TEST NOT ATTE 4. TNC - TEST NOT COM	MPTED PLETED	2. / 3. T 4.S	C - CORRECTED A - AWAITING PARTS T - AWAITING TECH ASS B - SHIP'S FORCE		1. S - PERSONN 2. Z - EQUIPME 3. H – HARDV	NT SAFET			4. D - DOWN 5. L - LIMITED			
5. NOB - EQUIPMENT NOT TYPEAVAILABILITY	WHEN TO BE ACCOMPLISHE		STATUS	)	CAUSE				DEFERRAL REASON			
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATE  2. PRIOR TO N UNDERWAY  3.PIROR TO I DEPLOYMEN  4. DURING PO: DEPLOYMENT AVAILABILITY	LY  NEXT  T  ST	NON-OPERATIONAL     NON-OPERATIONA     REDUCED CAPABIL     NOT APPLICABLE		2. MANFACTUR 3. LACK OF KNO 4. COMMUNICA 5. INADEQUATE 6. INADEQUATE 7.NORMAL WI	ABNORMAL ENVIRONMENT MANFACTURER/INSTALLATION DEFECTS LACK OF KNOWLEDGE COMMUNICATION PROBLEMS INADEQUATE INSTRUCTION/PROCEDURE INADEQUATE DESIGN NORMAL WEAR AND TEAR NOT APPLICABLE			1. S/F BACKLOG/OPERATIOI 2. LACK OF MATERIAL 3. NO FORMAL TRAINING O 4. FORMAL TRAINING INAD EQUIPMENT 5. INADEQUATE SCHOOL PF 6. LACK OF FACILITIES/CAP 7. NOT AUTHORIZED FOR S 8. FOR S/F OVERHAUL OR A LIST 9. LACK OF TECHNICAL DOO 0. OTHER OR NOT APPLICAL	N THIS EQUIPM EQUATE IN THIS RACTICAL TRAIN ABILITIES /F ACCOMPLISH VAILABILITY W	S IING MENT	
MAN HRS EXPENDE	D !	MAN HRS REI	MAINING	COMPLETED ACTION TAKEN				7 S/F	MANHOURS	PRI	ORTY	
01  SAFETY HAZARD:  1. SERIOUS - CORRECT AS: 2. SERIOUS - SUSPENSION: 3. SERIOUS - WAVIER OF EC 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL	OF EQUIPMENT/SYSTEM/ QUIPMENT/SYSTEM	2. MAINTE 3. MAINTE 4. CANCEL 7. MAINTE	ENANCE ACTION CO ENANCE ACTION CO LED - DEFERRAL W ENANCE ACTION CO	OMPLETED OMPLETED VILL BE RE OMPLETED	: PARTS DRAWN FRC : REQUIRED PARTS I : NO PARTS REQUIR MOVED FROM CSMP : 3-M CAPABILITY UT REMARKS/DESCRIPT	NOT DRAWN ED TILIZED		2. E 3. H	IANDATORY SSENTIAL IIGHLY ESIRABLE ESIRABLE			
DISCREPANO As per SEMA							5-250-0-E	port s	side lower level	frame	250 to	
264 stringer #							<u> </u>	роло				
RECOMMENDE Clean to bare		ne and	l preserve a	pprox	ximately	50 s	qft. IAW	NAVS	EA TM Chapte	r 631.		
CCDODT 0004 D	00 F DD4100	`NAANI /7	F7) 20/ 4004	EVE 04	I T T T T T T T T T T T T T T T T T T T	D. N/	DDMANL (O.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	N.1			
CSMP SUMM		NIAN (7	57) 396-4001	EXT 21	130, TPOC:	: R. NC	JRIVIAN /C.	WILSO	TEST#			
CSIVII SCIVIIVI		tment	5-250-0-E	ruste	d strinae	ers.				1102/1		
ROOT CAUSE/AMF									STEP#			
SYSTEM LEVEL IN	IPACT								<u> </u>			
PART NO.	-		NOMEMCLATI	JRE			QTY	NSN			COST	
1												
2												
3												
4												
	5											
6   FIRST CONTACT RATE SECOND CONTACT							RATE	DI	HONE			
Henrickso	Henrickson HTC						HT2			ı	TOD	
ASSESSOR / ACT	/ TECH ID# <b>T. LAPP/F. I</b>	BBOTS	ON-MSC		TD		TL	LOGI	STICIAN		TSP	

### USS DOYLE – FFG 39 AMR #3 5-292-0-E

ITEM NUMBER MAF# 05617									USS DOYLE FFG 39				
SYSTEM Hull Structure	•		swbs 1021	EIG	C				APL	RIN			
EQUIPMENT NAME Shell & Supporting Stru	cturo	<u>'</u>	IDENT/SERIAL	N/A		LOCATIO	DN 5-292-0-E	W	DRK CENTER EM04	JSN	A207		
EQUIPMENT STATUS	cture	PROBLEM S	TATUS	IVA		<u>                                     </u>	J-272-U-L	CATEGOR			EOC		
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTOR' 3. TNA - TEST NOT ATTEMPT 4. TNC - TEST NOT COMPLET 5. NOB - EQUIPMENT NOT OM	ED ED	2. A 3. T <b>4.S</b>	- CORRECTED - AWAITING PARTS - AWAITING TECH ASSI - SHIP'S FORCE		1. S - PERSON 2. Z - EQUIPM 3. H – HARDV	ENT SAFETY			4. D - DOWN 5. L - LIMITED				
TYPEAVAILABILITY	WHEN TO BE ACCOMPLISHED		STATUS	)	CAUSE				DEFERRAL REASON		<u> </u>		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATEL 2. PRIOR TO NE UNDERWAY 3. PIROR TO N DEPLOYMENT 4. DURING POS DEPLOYMENT AVAILABILITY	Y EXT IEXT	OPERATIONAL     NON-OPERATIONAL     REDUCED CAPAB     NOT APPLICABLE		2. MANFACTUF 3. LACK OF KN 4. COMMUNIC, 5. INADEQUAT 6. INADEQUAT 7.NORMAL W	1. ABNORMAL ENVIRONMENT 2. MANFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 0. NOT APPLICABLE  7			1. S/F BACKLOG/OPERATIONAL PRIORTY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 0. OTHER OR NOT APPLICABLE		NG MENT		
MAN HRS EXPENDED	N	MAN HRS REM	IAINING		ED ACTION TAK	EN		S/	F MANHOURS	PRI	ORTY		
SAFETY HAZARD:  1. SERIOUS - CORRECT AS SOO 2. SERIOUS - SUSPENSION OF E 3. SERIOUS - WAVIER OF EQUIF 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL	O1  AFETY HAZARD: . SERIOUS - CORRECT AS SOON AS POSSIBLE . SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED . SERIOUS - WAVIER OF EQUIPMENT/SYSTEM . SAFETY ITEM - MINOR . SAFETY ITEM - MINOR . SAFETY ITEM - MINOR  TO MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 7. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTIL									2. E 3. H D	ANDATORY SSENTIAL IGHLY ESIRABLE ESIRABLE		
DISCREPANCY As per SEMAT							5-292-0	)-E fram	ne 316 -frame 324	port s	ide		
stringers S10 & S	S11 is rust	ed throu	igh in the we	b; fram	ne 317 bet	ween s	tringer	S10 & S	12 are rusted thro	ugh.			
RECOMMENDED  Crop out and re			6 ½") on s	stringe	er S10 aı	nd 3 If	f (6"x 4	l") strir	nger S11, 4 If of	frame	317		
between string	ger S10 8	չ S12 8	3″x4 ¾″ T b	eam.									
SSPORT C221 POO	C: F. PRAIS	SMAN (7	757) 396-400°	1 EXT 2	130, TPO	C: R. NC	RMAN /	C. WILS	ON				
CSMP SUMMAI			\_t_w!_w_t_	مائستام ام	C10	0.01	1		TEST#	02/1			
ROOT CAUSE/AMPLI		AIVIR L	<u>Deteriorate</u>	a strin	iger 510	& 51	1.		STEP#				
I	110/111011								JTEI W				
SYSTEM LEVEL IMPA	ICT												
PART NO.			NOMEMCLAT	URE			QTY	NSN			COST		
1													
2													
3													
4													
5													
6													
FIRST CONTACT	RA		SECOND				RATE		PHONE				
Henrickson ASSESSOR / ACT / T		HTC		Ulm	ner TD		TL HT2		ISTICIAN		TSP		
Т	. LAPP/F.	IBBOTS	ON-MSC										

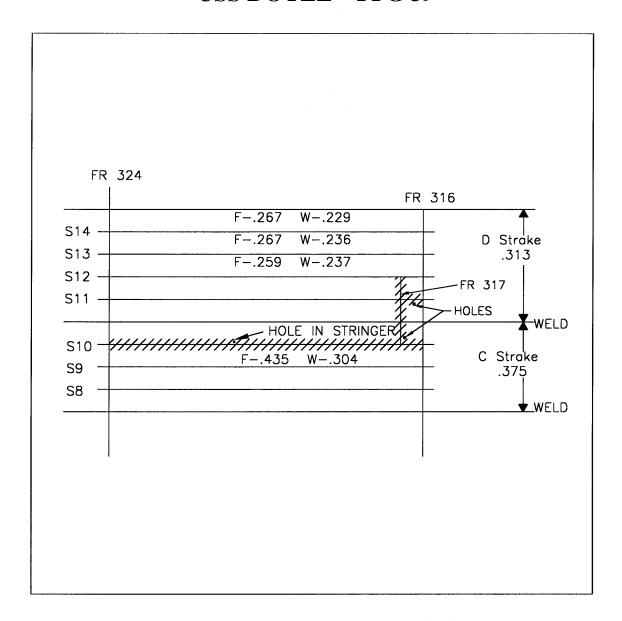
#### **USS DOYLE – FFG 39**



5-292-0-E AMR No 3 Fr 316 to Fr 324 – Port MAF 05617

As per SEMAT Assessment it was found that in compartment 5-292-0-E, Fr 316 - Fr 324 port side stringers S10 and S11 are rusted through in web; Fr 317 between stringers S10 & S12 is rusted through.

#### **USS DOYLE - FFG 39**



SECT LKG OUTBD (P) AMR NO 3 (5-292-0-E) MAF 05617

ITEM NUMBER MAF# 12644							5	SHIP	USS DOYLE	FFG 39	
SYSTEM	<u> </u>		SWBS	EI	С		APL		000 00 122	RIN	
Hull Structure EQUIPMENT NAME			1021 IDENT/SERIAL			LOCATI		WO	RK CENTER	JSN	
Shell & Supporting S EQUIPMENT STATUS	tructure	PROBLEM S	TATUS	N/A	T		5-292-0-E	CATEGOR	EMO4		A218 FOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACT	ODV	1. C	- CORRECTED		1. S - PERSON			CATEGOR	4. D - DOWN		200
3. TNA - TEST NOT ATTE 4. TNC - TEST NOT COMI	MPTED	3. T	- AWAITING PARTS - AWAITING TECH ASS - SHIP'S FORCE	SIST*	2. Z - EQUIPM 3. H – HARD				5. L - LIMITED		
5. NOB - EQUIPMENT NOT TYPEAVAILABILITY			STATUS	S	CAUSE				DEFERRAL REASON		
	ACCOMPLISHE										
1. DEPOT 2. IMA 3. TECH ASSIST	IMMEDIATE     PRIOR TO N     UNDERWAY	EXT	OPERATIONAL     NON-OPERATIONA     REDUCED CAPAI		<ol> <li>LACK OF KN</li> <li>COMMUNIC</li> <li>INADEQUAT</li> </ol>	RER/INSTALI NOWLEDGE CATION PROE TE INSTRUCT	ATION DEFECTS		S/F BACKLOG/OPERATI     LACK OF MATERIAL     NO FORMAL TRAINING     FORMAL TRAINING INA     EQUIPMENT	ON THIS EQUIPME ADEQUATE IN THIS	
4. SHIP'S FORCE	3.PIROR TO N	Г	0. NOT APPLICABLE		6. INADEQUAT 7.NORMAL V 0. NOT APPLIC	WEAR AND T	EAR		5. INADEQUATE SCHOOL 6. LACK OF FACILITIES/C/ 7. NOT AUTHORIZED FOR	APABILITIES S/F ACCOMPLISHN	MENT
5. SFWL	4. DURING POS DEPLOYMENT AVAILABILITY			_				_	8. FOR S/F OVERHAUL OR LIST 9. LACK OF TECHNICAL D 0. OTHER OR NOT APPLIC	OCUMENTATION	RK
MAN HRS EXPENDE	D   I	3 MAN HRS REM	MAINING	3 COMPLET	ED ACTION TAK	ŒN		/   S/F	MANHOURS		ORTY
01		VIAIT TIKO KEIV	IAMMO	COMILET	LD ACTION TAI	· · ·		371	WANTOOKS	T KIN	J. T.
SAFETY HAZARD:  1. SERIOUS - CORRECT AS S 2. SERIOUS - SUSPENSION O 3. SERIOUS - WAVIER OF EO 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL	OF EQUIPMENT/SYSTE QUIPMENT/SYSTEM	M/SPACE REQU	IRED	2. MAINTE 3. MAINTE 4. CANCEL 7. MAINTE	ENANCE ACTION C ENANCE ACTION C LED - DEFERRAL ' ENANCE ACTION C	COMPLETED: COMPLETED: WILL BE REN COMPLETED:	PARTS DRAWN FR REQUIRED PARTS NO PARTS REQUIF IOVED FROM CSMF 3-M CAPABILITY U EMARKS/DESCRIP	NOT DRAWN RED TILIZED		2. ES 3. H DI	ANDATORY SSENTIAL IGHLY ESIRABLE ESIRABLE
o. compostible matternal				0. 110112 0	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		EMPHANO, BESSAN	0200	•	3	
DISCREPANO	Y DESCRI	PTION	· PFR SFM	<u>ΔΤ ΙΙ Ι</u>	NSPECT	ION:				<u> </u>	
							5-292-0-	E stiffe	ener on stringe	er S3 at fr	ame
308 is rusted											
			<u> </u>								
RECOMMENDE	D DEDVIDE										
Crop out and			-								
Crop out and	replace s	untener									
			>	. =\:= -							
SSPORT C221 P		SIMAN (	<u>/57) 396-400</u>	11 EXT 2	130, TPO	C: R. NO	JRMAN /C	. WILSO	TEST#		
CSMP SUMM			.t		4 4 4					1102/1	
ROOT CAUSE/A			stringer S3	is rus	tea out.				STEP#		
SYSTEM LEVEL IN		JIN I							SIEP#		
OTOTEW LEVEL IIV											
PART NO.			NOMEMCLAT	URE			QTY	NSN		(	COST
1											
2											
3						1					
4											
5											
6											
FIRST CONTACT	RA		SECOND	) CONTA			RATE	P	HONE		
Henricksor ASSESSOR / ACT	/ TECH ID#	HTC		UIN	mer TD	)	TL HT2	LOGI	STICIAN		TSP
	T. LAPP/F.	IBBOTS	ON-MSC								

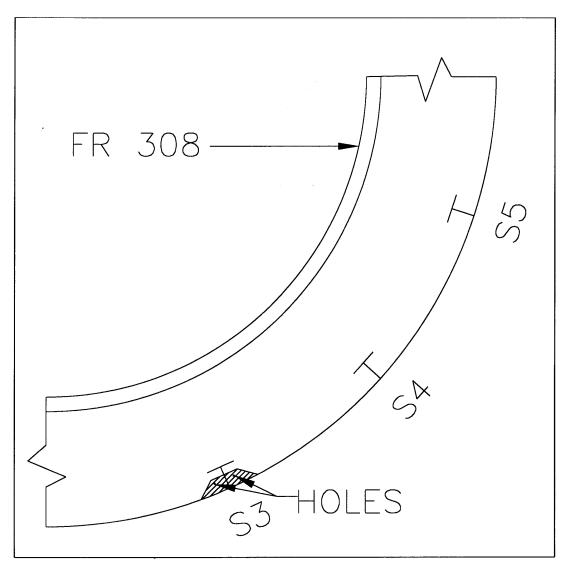
#### **USS DOYLE – FFG 39**



AMR No 3 5-292-0-E Frame 308 – STBD MAF 012644

As per SEMAT II Assessment it was found that in compartment 5-292-0-E stiffener on stringer S3 at frame 308 is rusted out on the STBD side.

#### **USS DOYLE - FFG 39**



ELEV LKG FWD (S) AMR NO 3 (5-292-0-E MAF 012644

#### USS DOYLE – FFG 39

#### MISCELLANEOUS SPACES

ITEM NUMBER MAF# 05612								SHIP	USS DOYLE F	FG 39	
SYSTEM Hull Structure			swbs 1021	EI	С		APL		000 20	RIN	
EQUIPMENT NAME			IDENT/SERIAL	<u> </u>		LOCATI		W	ORK CENTER	JSN	
Shell & Supporting EQUIPMENT STATUS	Structure (longit	udinal)  PROBLEM S	STATUS	N/A	T		3-46-1-A	CATEGO	EMO4		A221 EOC
1. SAT - SATISFACTOR 2. UNSAT - UNSATISFAC 3. TNA - TEST NOT ATT 4. TNC - TEST NOT CO	CTORY TEMPTED MPLETED	1. C 2. A 3. T 4.S	C - CORRECTED A - AWAITING PARTS - AWAITING TECH ASS - SHIP'S FORCE		1. S - PERSON 2. Z - EQUIPM 3. H – HARD	MENT SAFETY			4. D - DOWN 5. L - LIMITED		
5. NOB - EQUIPMENT No TYPEAVAILABILITY	OT ONBOARD WHEN TO BE		STATUS	S	CAUSE				DEFERRAL REASON		
1. DEPOT	ACCOMPLISH 1. IMMEDIATE		1. OPERATIONAL		1. ABNORMAL	ENVIRONM	ENT		1. S/F BACKLOG/OPERATION	IAL PRIORTY	
2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	2. PRIOR TO UNDERWAY  3.PIROR TO DEPLOYMEN  4. DURING PO DEPLOYMENT AVAILABILIT	NEXT IT	NON-OPERATIONA     REDUCED CAPABIL     NOT APPLICABLE	-	LACK OF KN     COMMUNIC	NOWLEDGE CATION PROB TE INSTRUC TE DESIGN VEAR AND	TION/PROCEDU		2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON 4. FORMAL TRAINING INADE EQUIPMENT 5. INADEQUATE SCHOOL PR. 6. LACK OF FACILITIES/C 7. NOT AUTHORIZED FOR S/ 8. FOR S/F OVERHAUL OR AI LIST 9. LACK OF TECHNICAL DOC	EQUATE IN THIS ACTICAL TRAINI CAPABILITIES OF ACCOMPLISHIN VAILABILITY WO CUMENTATION	NG MENT
MAN HRS EXPEND	DED	MAN HRS REM	MAINING	COMPLET	ED ACTION TAK	ŒN			0. OTHER OR NOT APPLICAB F MANHOURS		ORTY
01											
SAFETY HAZARD:  1. SERIOUS - CORRECT AS 2. SERIOUS - SUSPENSION 3. SERIOUS - WAVIER OF 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIA	N OF EQUIPMENT/SYST EQUIPMENT/SYSTEM	em/space requ	IIRED	2. MAINTE 3. MAINTE 4. CANCEL 7. MAINTE	ENANCE ACTION C ENANCE ACTION C ENANCE ACTION C LLED - DEFERRAL N ENANCE ACTION C OF THE ABOVE, DE	OMPLETED: OMPLETED: WILL BE REN OMPLETED:	REQUIRED PAR NO PARTS REC MOVED FROM C 3-M CAPABILIT	RTS NOT DRAW NUIRED SMP Y UTILIZED		2. ES 3. H DI	ANDATORY SSENTIAL IGHLY ESIRABLE ESIRABLE 3
DISCREPAN As per SEMA							3-46-1-	A STBI	) shell longitudii	nal 2 <sup>nd</sup> o	ne up
from deck a											о ар
Hom deck d	t art cria n	unic 40	o to traine	10 3110	ws sign	3 01 11	ust (up	proxim	atoly 43qit)		
DECOMMEN	DED DEDA	LDC									
RECOMMEN			nd procorve	shall	and lone	aitudi	nal IA	W Nav	sea TM Chapter	r 621	
			iu preserve	SHEII	and long	gituui	iiai. I <i>F</i>	AVV IVAV	sea Tivi Chaptei	031,	
(approxima	tery 4sqrt).										
SSPORT C221		SSMAN (7	<u>757) 396-400</u>	1 EXT 2	130, TPO	C: R. N	ORMAN A	C. WILS			
CSMP SUMN									TEST# MRC 1102/1		
3-46-1-A sh		gitudin	al rusted.								
ROOT CAUSE/AM	/IPLIFICATION								STEP#		
SYSTEM LEVEL II	MPACT										
PART NO.	_		NOMEMCLAT	LIRF			QTY	NSN			COST
			NOMEMBER	ONL			211	14314			0001
1								<u> </u>			
2											
3											
4											
5											
6											
FIRST CONTACT	RA	ATE	SECOND	CONTAC	СТ		RATE		PHONE		
Henrickson		TC	Ulmer		11		HT2			· ·	
ASSESSOR / ACT	T / TECH ID# T. LAPP/F.	IBBOTS	ON-MSC		TD	)	TL	LOG	ISTICIAN		TSP

ITEM NUMBER MAF# 05607								SHIP	USS DOYLE	FFG 39	
SYSTEM Hull Structure			wвs 1021	EIG	С		APL			RIN	
EQUIPMENT NAME			IDENT/SERIAL			LOCAT	ON	WO	RK CENTER	JSN	
Shell & Supporting S EQUIPMENT STATUS	tructure (stringe	PROBLEM ST	ATHS	N/A	I		4-140-0-Q	CATEGORY	EMO4		A220 EOC
					4.0 000	CONNEL CASETY	,	CATEGOR	4. D - DOWN		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACT		2. A -	CORRECTED - AWAITING PARTS		2. Z - EQI	SONNEL SAFETY JIPMENT SAFETY			4. D - DOWN 5. L - LIMITED		
TNA - TEST NOT ATTE     TEST NOT COMF	PLETED	4.S -	AWAITING TECH ASS SHIP'S FORCE		3. H – H	ARDWARE					
5. NOB - EQUIPMENT NOT TYPEAVAILABILITY	WHEN TO BE	_	STATUS STATUS	S	CAUSE				DEFERRAL REASON		
1. DEPOT	ACCOMPLISHE 1. IMMEDIATE		1. OPERATIONAL		1. ABNOR	MAL ENVIRONM	ENT		S/F BACKLOG/OPERATION	ONAL PRIORTY	
2. IMA	2. PRIOR TO N	IFXT	2. NON-OPERATIONA	d.		CTURER/INSTAL	LATION DEFECTS	5	LACK OF MATERIAL     NO FORMAL TRAINING	ON THIS FOUIPME	NT
3. TECH ASSIST	UNDERWAY		3. REDUCED CAPABIL		4. COMMI	UNICATION PROI		F	4. FORMAL TRAINING INAI EQUIPMENT		
4. SHIP'S FORCE	3.PIROR TO DEPLOYMEN		O. NOT APPLICABLE		6. INADE	QUATE DESIGN			5. INADEQUATE SCHOOL F 6. LACK OF FACILITIES		NG
5. SFWL	4. DURING PO	ST			0. NOT A	PPLICABLE			7. NOT AUTHORIZED FOR 8. FOR S/F OVERHAUL OR	S/F ACCOMPLISHN	
	DEPLOYMENT AVAILABILITY								LIST 9. LACK OF TECHNICAL DO		
4		3		1				7	0. OTHER OR NOT APPLICA		
MAN HRS EXPENDED	D	MAN HRS REMA	AINING	COMPLET	ED ACTION	TAKEN		S/F	MANHOURS	PRIC	ORTY
O1 SAFETY HAZARD:						ON COMPLETED:					ANDATORY
SERIOUS - CORRECT AS S     SERIOUS - SUSPENSION (	OF EQUIPMENT/SYSTE	M/SPACE REQUII	RED	3. MAINTEI	NANCE ACTION	ON COMPLETED: ON COMPLETED:	NO PARTS REQU	IIRED	FROM SUPPLY	3. H	SSENTIAL IGHLY
<ol> <li>SERIOUS - WAVIER OF EC</li> <li>SAFETY ITEM - MINOR</li> </ol>	QUIPMENT/SYSTEM					RAL WILL BE REN ON COMPLETED:					<b>ESIRABLE</b> ESIRABLE
5. COMBUSTIBLE MATERIAL				0. NONE O	F THE ABOVE	E, DESCRIBE IN F	REMARKS/DESCR	IPTION SECTION	I		3
(approximate SSPORT C221 P CSMP SUMM	e metal, pi ely 30sqft OC: F. PRAIS	rime and	57) 396-400	1 EXT 2					TM Chapter 6  N  TEST#  MRC 1102/1	31	
Compartmen	nt 4-140-0	-Q ruste	ed stringer						MRC 1102/1		
ROOT CAUSE/AMP	PLIFICATION								STEP#		
I											
SYSTEM LEVEL IM	PACT										
DADT NO			NOMENOU AT	LIDE			OTV	NON			0007
PART NO.			NOMEMCLAT	UKE			QTY	NSN			COST
1								<u> </u>			
2				_							
3								İ			
								1			
4								1			
5											
6											
FIRST CONTACT Henrickson	RA HT	TE C	SECOND Ulmer	CONTAC	СТ		RATE HT2	Р	HONE	<u>.                                    </u>	
ASSESSOR / ACT			Unitie			TD	TL	LOGI	STICIAN	-	TSP
	T. LAPP/F.	IBBOTS	ON-MSC			-		2001			

ITEM NUMBER							-	SHIP			
MAF# 012643								SHIP	USS DOYL	E FFG 39	
SYSTEM	· ·	ESW		EI	С		APL			RI	IN
Hull Structure EQUIPMENT NAME		110	DENT/SERIAL			LOCAT	ION	l wo	ORK CENTER	JS	SN
Shell & Supporting Str	ucture (stringer			N/A			4-140-2-A		EMO4		A219
EQUIPMENT STATUS		PROBLEM STAT	TUS					CATEGOR	Y		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTOR	5V		CORRECTED AWAITING PARTS			ONNEL SAFETY PMENT SAFETY			4. D - DOWN 5. L - LIMITE		
3. TNA - TEST NOT ATTEMP 4. TNC - TEST NOT COMPLE	PTED	3. T - A	AWAITING TECH ASSIS	T*	3. H – HAF				0. 2 22		
5. NOB - EQUIPMENT NOT C	NBOARD	*UNCO	RRECTED PROBLEMS								
TYPEAVAILABILITY	WHEN TO BE ACCOMPLISHED		STATUS		CAUSE				DEFERRAL REASON		
1. DEPOT	1. IMMEDIATELY	Y 1	1. OPERATIONAL			AL ENVIRONM TURER/INSTAL	ENT LATION DEFECTS	S	S/F BACKLOG/OPERA     LACK OF MATERIAL	ATIONAL PRIORTY	
2. IMA	2. PRIOR TO NE. UNDERWAY	XT 2	2. NON-OPERATIONAL			KNOWLEDGE	RLEMS		NO FORMAL TRAININ     FORMAL TRAINING I		
3. TECH ASSIST	3.PIROR TO N		3. REDUCED CAPABILIT	ΤY	<ol><li>INADEQU</li></ol>		TION/PROCEDUR	E	EQUIPMENT 5. INADEQUATE SCHOOL		
4. SHIP'S FORCE	DEPLOYMENT		D. NOT APPLICABLE			WEAR AND	TEAR		6. LACK OF FACILITIES 7. NOT AUTHORIZED F	/CAPABILITIES	
5. SFWL	4. DURING POST DEPLOYMENT	г			U. NOT APP	LICABLE			8. FOR S/F OVERHAUL		
	AVAILABILITY								9. LACK OF TECHNICAL		
		3						7	O. OTHER OR NOT APPI	LICABLE	
MAN HRS EXPENDED	П м	AN HRS REMAII	NING	COMPLET	ED ACTION T	AKEN		\$/1	MANHOURS	DI	RIORTY
01	101	ANTINO REMAI	Mino	CONII EET	LD ACTION I	AKLIV		371	WANTOOKS		(IOKII
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SO	ONLAS DOSSIBLE						PARTS DRAWN F REQUIRED PART		EPOM SLIPPI V	1.	MANDATORY ESSENTIAL
2. SERIOUS - SUSPENSION OF	EQUIPMENT/SYSTEM	/SPACE REQUIRE	ED	<ol><li>MAINTE</li></ol>	NANCE ACTION	COMPLETED:	NO PARTS REQU MOVED FROM CSI	IIRED	FROW SUFFLY	3.	HIGHLY
SERIOUS - WAVIER OF EQU     SAFETY ITEM - MINOR	IPMEN1/SYSTEM			7. MAINTE	NANCE ACTION	I COMPLETED:	3-M CAPABILITY	UTILIZED			DESIRABLE DESIRABLE
5. COMBUSTIBLE MATERIAL							REMARKS/DESCR	IPTION SECTIO	N		3
DISCREPANCY		_	_		_	_					
As per SEMAT											
frame 140 to 1	51 is ruste	d in strir	nger at dec	k. Th	nis rust	is caus	se by po	or desi	gn of a drain	pipe at fra	ame
140 which dra	ins water	onto st	tringer and	d just	settles	there	. The pi	pe size	is about 3/4	<b>"</b> .	
							•	•			
RECOMMEND	ED REPAII	RS:									
Clean to bare	metal, pri	ime and	preserve	string	ger and	l shell a	approxi	mately	30sqft. IAW	NAVSEA	MTM
Chapter 631.	Note: rec	ommen	ded invest	igate	drain	pipe sc	urce an	d rede	sign pipe to	eliminate	e rust
and deteriora	tion probl	em.									
CCDODT 0004 DO	O E DDAIG	CB 4 A B L / 7 E	7) 20/ 4004	FVT 0	400 TD	20 D N	ODNAAN /	0 14/11/04	281		
SSPORT C221 PO		SIVIAIV (75	7) 396-4001	EXI 2	130, TP	JC: R. N	ORIVIAIN /	C. WILSO			
CSMP SUMMA		_							TEST# MRC 1102/1		
Compartment		A, rust									
ROOT CAUSE/AMPL	IFICATION								STEP#		
Ι											
SYSTEM LEVEL IMP	ACT										
										- I	
PART NO.		1	NOMEMCLATU	RE			QTY	NSN			COST
1											
								İ			
								+			
3											
4											
7											
5											
6											
FIRST CONTACT	RAT	TE	SECOND	CONTAC	CT		RATE	F	PHONE		
Henrickson	HTC		Ulmer	• • • •	- •		HT2				
ASSESSOR / ACT /	TECH ID#				T	D	TL	LOG	STICIAN		TSP
1	Γ. LAPP/F. I	<b>BBOTSO</b>	N-MSC								

#### **USS DOYLE - FFG 39**



Laundry Storeroom 4-140-2-A MAF 012643

As per SEMAT II Assessment it was found that in compartment 4-140-2-A (laundry storeroom) port side frame 140 to 151 is rusted in stringer at deck. This rust is caused by poor design of the drain pipe at frame 140, which drains water onto stringer, and just settles there. The size of this pipe is approximately 3/4".

MAF# 012391 SYSTEM Hull Structure								USS DOYLE F	FG 39	
	<u> </u>	110:		EI	С	APL			RIN	N
EQUIPMENT NAME	_		IDENT/SERIAL	<u> </u>		LOCATION	WO	RK CENTER	JSN	
Shell and Supporting EQUIPMENT STATUS		OBLEM STAT	TUS	N/A	1	4-152-1-A	CATEGOR	EMO4		A216 EOC
1. SAT - SATISFACTORY			ORRECTED		1. S - PERSONNE			4. D - DOWN		
2. UNSAT - UNSATISFACT 3. TNA - TEST NOT ATTE 4. TNC - TEST NOT COMP	MPTED	3. T - A\	WAITING PARTS WAITING TECH ASS HIP'S FORCE	IST*	2. Z - EQUIPMEN 3. H – HARDWA			5. L - LIMITED		
5. NOB - EQUIPMENT NOT TYPEAVAILABILITY	WHEN TO BE		RRECTED PROBLEMS	S	CAUSE			DEFERRAL REASON		
1. DEPOT	ACCOMPLISHED  1. IMMEDIATELY		. OPERATIONAL		1. ABNORMAL EN	NVIRONMENT		1. S/F BACKLOG/OPERATIO	NAL PRIORTY	
2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	2. PRIOR TO NEXT UNDERWAY 3.PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	2	2. NON-OPERATIONA 5. REDUCED CAPABII 0. NOT APPLICABLE		<ol> <li>MANFACTURE</li> <li>LACK OF KNOW</li> <li>COMMUNICAT</li> </ol>	R/INSTALLATION DEFECT WILEDGE TION PROBLEMS INSTRUCTION/PROCEDU DESIGN AR AND TEAR BLE		2. LACK OF MATERIAL 3. NO FORMAL TRAINING C 4. FORMAL TRAINING INAD EQUIPMENT 5. INADEQUATE SCHOOL PI 6. LACK OF FACILITIES/CAF 7. NOT AUTHORIZED FOR S 8. FOR S/F OVERHAUL OR / LIST 9. LACK OF TECHNICAL DO 0. OTHER OR NOT APPLICA	ON THIS EQUIPMI EQUATE IN THIS RACTICAL TRAIN PABILITIES S/F ACCOMPLISH AVAILABILITY WO CUMENTATION	S IING IMENT
MAN HRS EXPENDED	D MAN H	HRS REMAIN	NING	COMPLET	ED ACTION TAKEN	N	S/F	MANHOURS	PRI	IORTY
O1 SAFETY HAZARD:	<u> </u>					MPLETED: PARTS DRAWN				MANDATORY
1. SERIOUS - CORRECT AS S 2. SERIOUS - SUSPENSION O 3. SERIOUS - WAVIER OF EC 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL	OF EQUIPMENT/SYSTEM/SPA DUIPMENT/SYSTEM	CE REQUIRE	D	3. MAINTE 4. CANCEL 7. MAINTE	NANCE ACTION CON LED - DEFERRAL WI NANCE ACTION CON	MPLETED: REQUIRED PAR MPLETED: NO PARTS REC LL BE REMOVED FROM C MPLETED: 3-M CAPABILIT CRIBE IN REMARKS/DESC	UIRED SMP Y UTILIZED		3. H	ESSENTIAL HIGHLY DESIRABLE DESIRABLE
	DED REPAIRS		procorus	shall	and long	itudinal stri	ngor I	A\A/ NIA\/SEA T	M Chan	tor
Clean to bare	e metal, prim	e and						AW NAVSEA T	M Chap	ter
Clean to bare 631.  SSPORT C221 P	e metal, prim	e and						DN	M Chap	ter
Clean to bare 631.  SSPORT C221 P CSMP SUMM	OC: F. PRAISSM	e and							M Chap	ter
SSPORT C221 P CSMP SUMM Shell and Lor	e metal, prim OC: F. PRAISSM ARY: ngitudinal Ru	e and						ON TEST#	M Chap	ter
SSPORT C221 P CSMP SUMM Shell and Lor ROOT CAUSE/AMP	OC: F. PRAISSM ARY: ngitudinal Ru	e and						DN TEST# MRC 1102/1	M Chap	ter
SSPORT C221 P CSMP SUMM Shell and Lor ROOT CAUSE/AMF I SYSTEM LEVEL IM	OC: F. PRAISSM ARY: ngitudinal Ru	AN (75	7) 396-400	1 EXT 2		: R. NORMAN /	C. WILSO	DN TEST# MRC 1102/1		
SSPORT C221 P CSMP SUMM Shell and Lor ROOT CAUSE/AMF I SYSTEM LEVEL IM	OC: F. PRAISSM ARY: ngitudinal Ru	AN (75		1 EXT 2				DN TEST# MRC 1102/1		ter
SSPORT C221 P CSMP SUMM Shell and Lor ROOT CAUSE/AMP I SYSTEM LEVEL IM PART NO.	OC: F. PRAISSM ARY: ngitudinal Ru	AN (75	7) 396-400	1 EXT 2		: R. NORMAN /	C. WILSO	DN TEST# MRC 1102/1		
SSPORT C221 P CSMP SUMM Shell and Lor ROOT CAUSE/AMP I SYSTEM LEVEL IM PART NO. 1 2	OC: F. PRAISSM ARY: ngitudinal Ru	AN (75	7) 396-400	1 EXT 2		: R. NORMAN /	C. WILSO	DN TEST# MRC 1102/1		
SSPORT C221 P CSMP SUMM Shell and Lor ROOT CAUSE/AMP I SYSTEM LEVEL IM PART NO. 1 2 3	OC: F. PRAISSM ARY: ngitudinal Ru	AN (75	7) 396-400	1 EXT 2		: R. NORMAN /	C. WILSO	DN TEST# MRC 1102/1		
Clean to bare 631.  SSPORT C221 P CSMP SUMM Shell and Lor ROOT CAUSE/AMF I SYSTEM LEVEL IM  PART NO. 1 2 3 4	OC: F. PRAISSM ARY: ngitudinal Ru	AN (75	7) 396-400	1 EXT 2		: R. NORMAN /	C. WILSO	DN TEST# MRC 1102/1		
SSPORT C221 P CSMP SUMM Shell and Lor ROOT CAUSE/AMP I SYSTEM LEVEL IM PART NO. 1 2 3 4 5	OC: F. PRAISSM ARY: ngitudinal Ru	AN (75	7) 396-400	1 EXT 2		: R. NORMAN /	C. WILSO	DN TEST# MRC 1102/1		
SSPORT C221 P CSMP SUMM Shell and Lor ROOT CAUSE/AMF I SYSTEM LEVEL IM PART NO. 1 2 3 4 5 FIRST CONTACT	OC: F. PRAISSM ARY: ngitudinal Ru PLIFICATION IPACT	AN (75	7) 396-400  NOMEMCLAT	1 EXT 2	130, TPOC:	QTY  RATE	/C. WILSO	DN TEST# MRC 1102/1		
SSPORT C221 P CSMP SUMM Shell and Lor ROOT CAUSE/AMP I SYSTEM LEVEL IM PART NO. 1 2 3 4 5	OC: F. PRAISSM ARY: ngitudinal Ru PLIFICATION IPACT RATE HTC	AN (75	7) 396-400 NOMEMCLAT	1 EXT 2	130, TPOC:	QTY	/C. WILSO	DN  TEST#  MRC 1102/1  STEP#		

ITEM NUMBER MAF# 05611								SHIP	USS DOYLE I	FG 39	
SYSTEM Hull Structure			swbs 1021	EI	IC		APL			RIN	
EQUIPMENT NAME			IDENT/SERIAL			LOCA	TION	WO	RK CENTER	JSN	
Shell and Supporting	Structure	PROBLEM S	TATUS	N/A	1		4-172-1-E	CATEGORY	EMO4		A211 EOC
					4.C. DEDCON	NEL CAFE	T./	CATEGOR			EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACT		2. A	- CORRECTED A - AWAITING PARTS		1. S - PERSON 2. Z - EQUIPM	ENT SAFE			4. D - DOWN 5. L - LIMITED		
3. TNA - TEST NOT ATTE 4. TNC - TEST NOT COMP	PLETED	4.S	- AWAITING TECH AS - SHIP'S FORCE		3. H – HARDI	WARE					
5. NOB - EQUIPMENT NOT TYPEAVAILABILITY	WHEN TO BE		STATUS	MS	CAUSE				DEFERRAL REASON		1
1. DEPOT	ACCOMPLISHE  1. IMMEDIATEI		1. OPERATIONAL		1. ABNORMAL	ENVIRON	IMENT		S/F BACKLOG/OPERATIO	NAL PRIORTY	
2. IMA	2. PRIOR TO N	FXT	2. NON-OPERATION	NAI	MANFACTUR     LACK OF KN		ALLATION DEFECTS F		LACK OF MATERIAL     NO FORMAL TRAINING OF	ON THIS FOUIPME	NT
3. TECH ASSIST	UNDERWAY		3. REDUCED CAPAE		4. COMMUNIC	ATION PR		:	4. FORMAL TRAINING INAC EQUIPMENT		
4. SHIP'S FORCE	3.PIROR TO N		0. NOT APPLICABLE	E	<ol><li>6. INADEQUAT</li><li>7.NORMAL WE</li></ol>	TE DESIGN	N		<ol> <li>INADEQUATE SCHOOL P</li> <li>LACK OF FACILITIES/CAI</li> </ol>		NG
5. SFWL	4. DURING POS	ST			0. NOT APPLIC				7. NOT AUTHORIZED FOR S 8. FOR S/F OVERHAUL OR	S/F ACCOMPLISHN	
	DEPLOYMENT AVAILABILITY								LIST 9. LACK OF TECHNICAL DO		
4		3		1					O. OTHER OR NOT APPLICA		
MAN HRS EXPENDED	D !	MAN HRS REN	MAINING	COMPLET	TED ACTION TAK	EN		S/F	MANHOURS	PRI	ORTY
01 SAFETY HAZARD:							D: PARTS DRAWN FI			1. M.	ANDATORY
SERIOUS - CORRECT AS S     SERIOUS - SUSPENSION C		M/SPACE REQU	IRED				D: REQUIRED PARTS D: NO PARTS REQUI		FROM SUPPLY		SSENTIAL IGHLY
SERIOUS - WAVIER OF EC     A. SAFETY ITEM - MINOR	QUIPMENT/SYSTEM			4. CANCEL	LED - DEFERRAL V	NILL BE R	REMOVED FROM CSN D: 3-M CAPABILITY	/IP			<b>ESIRABLE</b> ESIRABLE
5. COMBUSTIBLE MATERIAL							N REMARKS/DESCRI		N		3
Clean to bare approximate						nger	#7 from	172 to	180 port side	)	
SSPORT C221 P	OC: F. PRAIS	SMAN (7	757) 396-40	01 EXT 2	130, TPO	C: R. I	NORMAN /	C. WILSO	ON		
CSMP SUMM	ARY:								TEST#		
Compartmen	nt 4-172-1	-E shel	I rusted.						MRC 1102/1		
ROOT CAUSE/AMP	PLIFICATION								STEP#		
I											
SYSTEM LEVEL IM	PACT										
DADT NO	_		NONELIO	TUDE			OT)	Non		Įi	2007
PART NO.			NOMEMCLA	TURE			QTY	NSN			COST
1								<u> </u>			
2											
2											
3								1			
4											
5											
6											
FIRST CONTACT	RA	TF	SECON	D CONTA	CT		RATE		HONE		
Henrickson	HT		Ulmer				HT2	l ˈ			
ASSESSOR / ACT			-		TD	)	TL	LOGI	STICIAN		TSP
	T. LAPP/F.	IBBOTS	ON-MSC								

#### **USS DOYLE – FFG 39**

#### STRUCTURAL INSPECTION RESULTS SATISFACTORY AREAS

LOCATION	AREA	RESULTS
3-32-2-A	SECURE FORCES ISS	SAT
3-32-1-K	FLAM LIQUID STRM	SAT
3-26-2-T	WTRTT ESC TRUNK	SAT
3-40-2-A	CPO STORE RM	SAT
3-48-2-A	XO STORE RM	SAT
3-53-2-A	CLOTH SMALL STRM	SAT
3-56-0-A	DECK GEAR STRM	SAT
3-93-1-Q	200 MEGAHERTZ ENCL	SAT
3-100-0-L	BERTH/DRESSING	SAT
3-100-1-L	RCN LOUNGE	SAT
3-113-0-L	SANITARY SPACE	SAT
3-140-2-L	RCN LOUNGE	SAT
3-140-1-L	PASSAGE	SAT
3-144-0-L	BERTH/DRESSING	SAT
3-156-2-Q	PIPING SPACE	SAT
3-154-1-Q	PIPING SPACE	SAT
3-180-2-C	SWITCH GEAR RM	SAT
3-180-5-A	DRY PROV STRM	SAT
3-196-2-A	SHIP'S STORE RM	SAT
3-328-0-A	COMB SUPP STRM	SAT
4-32-0-Q	SONAR EQUIPT RM	SAT
4-48-2-L	PASSAGE	SAT
4-56-0-M	SMALL ARM MAG	SAT
4-64-0-Q	MAG SERVICE RM	SAT
4-100-0-E	APU MCHRY RM	SAT
5-226-2-E	SS DIESEL ENCL	SAT
5-226-1-E	SS DIESEL ENCL	SAT
5-376-1-A	BOSN STORE RM	SAT

#### **USS DOYLE - FFG 39**

#### MATERIAL CONDITION ASSESSMENT HULL STRUCTURE

APL X-SYSTEM ITEM	COMPARTMENT 3-32-2-A	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/0	04/01		
LIST PROCEDURE	S USED: SEMAT SHELI	L & SUPPORTIN	G STRUCTURE MRC	1102.
OPERATIONAL CI	HECKS COMPLETED: Y	YES NO	(2KILO REQ)	
REASON NOT COM	MPLETED: N/A			
COLD CHECKS CO	OMPLETED: YES	NO (	(2KILO REQ.)	
REASON NOT COM	APLETED: N/A ———			
EQUIPMENT CON	DITION (CHOOSE ONE	):		
OPERATIONAL	NON-OPERATIONAL	REDUCED CAPABILITY	ASSESSMENT I COMPLETE (21	
	KILOs TURNED IN FOI N THIS MCA. USE THIS NOT ADDRESSI		HER COMMENTS OF	
	SS RM (3-32-2-A) CONDU TURE ASSESSMENT. CO			
TECH: LAPP/IBBO	OTSON-MSC SUPERVIS	SOR: FRED PRA	ISMAN CODE: 221	
PHONE (DSN ):	961-4001 COMMER	CIAL: (757) 39	06-4001	
NAME OF PERSON	IS TRAINED:	TOTAL NUM TRAINING H		

APL X-SYSTEM ITEM	COMPARTMENT 3-32-1-K	RIN W N/L	ORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	04/01		
LIST PROCEDURE	S USED: SEMAT SHEL	L & SUPPORTING	STRUCTURE MRC	1102.
OPERATIONAL CH	HECKS COMPLETED:	YES NO	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A ———			
COLD CHECKS CO	OMPLETED: YES	NO (2)	KILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CONI	DITION (CHOOSE ONE	E):		
OPERATIONAL	NON-OPERATIONAL	REDUCED CAPABILITY		
	KILOs TURNED IN FO N THIS MCA. USE THIS NOT ADDRESS		ER COMMENTS O	
	RM (3-32-1-K) CONDUC TURE ASSESSMENT. CO			
TECH: LAPP/IBBO	TSON-MSC SUPERVI	SOR: FRED PRAIS	MAN CODE: 221	
PHONE (DSN ):	961-4001 COMMEI	RCIAL: (757) 396	-4001	
NAME OF PERSON	S TRAINED:	TOTAL NUMBITRAINING HO	=	

APL X-SYSTEM ITEM	COMPARTMENT 3-26-2-T	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	Г COMPLETED: 05/	<b>/04/01</b>		
LIST PROCEDURES	S USED: SEMAT SHEL	LL & SUPPORT	ING STRUCTURE MRC	1102.
OPERATIONAL CH	ECKS COMPLETED:	YESNO_	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A			
COLD CHECKS CO	MPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CONI	DITION (CHOOSE ONI	E):		
<u>OPERATIONAL</u>	NON-OPERATIONAL		ASSESSMENT I COMPLETE (2)	
		S SPACE FOR	EM WILL AUTOMATIC OTHER COMMENTS OF //2-KILO	
			ATER HULL SHELL AN AS SAT, NO WORK REQ	
	TSON-MSC SUPERVI			
PHONE (DSN ):	961-4001 COMME	RCIAL: (757)	396-4001	
NAME OF PERSON	S TRAINED:	TOTAL NU TRAINING		

APL X-SYSTEM ITEM	COMPARTMENT 3-40-2-A	RIN V N/L	VORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	04/01		
LIST PROCEDURE	S USED: SEMAT SHEL	L & SUPPORTING	S STRUCTURE MRC	1102.
OPERATIONAL CH	IECKS COMPLETED:	YES NO	_ (2KILO REQ)	
REASON NOT COM	IPLETED: N/A			
COLD CHECKS CO	OMPLETED: YES	NO (2	ZKILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CONI	DITION (CHOOSE ONE	Σ):		
OPERATIONAL	NON-OPERATIONAL	REDUCED CAPABILITY		
	KILOs TURNED IN FO N THIS MCA. USE THIS NOT ADDRESS		HER COMMENTS OF	
	40-2-A) CONDUCTED SSMENT. CONDITION			<u>JPPORT</u>
TECH: LAPP/IBBO	TSON-MSC SUPERVI	SOR: FRED PRAIS	SMAN CODE: 221	
PHONE (DSN ):	961-4001 COMMEI	RCIAL: (757) 390	6-4001	
NAME OF PERSON	S TRAINED:	TOTAL NUME TRAINING HO	_	

APL X-SYSTEM ITEM	COMPARTMENT 3-48-2-A	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	04/01		
LIST PROCEDURES	S USED: SEMAT SHEL	L & SUPPORTI	NG STRUCTURE MRC	1102.
OPERATIONAL CH	IECKS COMPLETED:	YESNO	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A			
COLD CHECKS CO	MPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CONI	DITION (CHOOSE ON	Ξ):		
<u>OPERATIONAL</u>	NON-OPERATIONAL		ASSESSMENT I COMPLETE (2)	
	THIS MCA. USE THIS		EM WILL AUTOMATIO THER COMMENTS OF 2-KILO	
	8-2-A) CONDUCTED U SSMENT. CONDITION		HULL SHELL AND SUF WORK REQUIRED.	<u>'PORT</u>
TECH: LAPP/IBBO	TSON-MSC SUPERVI	SOR: FRED PR	AISMAN CODE: 221	
PHONE (DSN ):	961-4001 COMME	RCIAL: (757)	396-4001	
NAME OF PERSON	S TRAINED:	TOTAL NUI		

APL X-SYSTEM ITEM	COMPARTMENT 3-56-0-A	RIN W N/L	VORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	04/01		
LIST PROCEDURE	S USED: SEMAT SHEL	L & SUPPORTING	S STRUCTURE MRC	1102.
OPERATIONAL CH	IECKS COMPLETED:	YES NO	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A			
COLD CHECKS CO	OMPLETED: YES	NO (2	EKILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CONI	DITION (CHOOSE ONE	Ξ):		
OPERATIONAL	NON-OPERATIONAL	REDUCED CAPABILITY		
	KILOs TURNED IN FO N THIS MCA. USE THIS NOT ADDRESS		IER COMMENTS O	
	I (3-56-0-A) CONDUCTI URE ASSESSMENT. C			_
TECH: LAPP/IBBO	TSON-MSC SUPERVI	SOR: FRED PRAIS	SMAN CODE: 221	
PHONE (DSN ):	961-4001 COMMEI	RCIAL: (757) 396	5-4001	
NAME OF PERSON	S TRAINED:	TOTAL NUMB TRAINING HO	_	

APL X-SYSTEM ITEM	COMPARTMENT 3-53-2-A	RIN W N/L	ORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/0	04/01		
LIST PROCEDURES	S USED: SEMAT SHEL	L & SUPPORTING	STRUCTURE MRC	1102.
OPERATIONAL CH	IECKS COMPLETED: Y	YES NO	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A			
COLD CHECKS CO	OMPLETED: YES	NO (2	KILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CONI	DITION (CHOOSE ONE	Σ):		
<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY		
	KILOs TURNED IN FO N THIS MCA. USE THIS NOT ADDRESS		ER COMMENTS O	
	RM (3-53-2-A) CONDUC URE ASSESSMENT. CO			
TECH: LAPP/IBBO	TSON-MSC SUPERVI	SOR: FRED PRAIS	SMAN CODE: 221	
PHONE (DSN ):	961-4001 COMME	RCIAL: (757) 396	5-4001	
NAME OF PERSON	S TRAINED:	TOTAL NUMB TRAINING HO	=	

3-93-1-Q	RIN N/L	WORK CENTER	JSN
T COMPLETED: 05	5/04/01		
S USED: SEMAT SHE	LL & SUPPOR	RTING STRUCTURE MR	C 1102.
IECKS COMPLETED	: YES NO	(2KILO REQ)	
IPLETED: N/A			
MPLETED: YES	NO		
DITION (CHOOSE ON	NE):		
NON-OPERATIONAL			
THIS MCA. USE TH	IS SPACE FOR	R OTHER COMMENTS O	
961-4001 COMMI	ERCIAL: (75	57) 396-4001	
S TRAINED:			
	3-93-1-Q T COMPLETED: 0: S USED: SEMAT SHE IECKS COMPLETED IPLETED: N/A OMPLETED: N/A OMPLETED: N/A OITION (CHOOSE ON NON-OPERATIONAL KILOS TURNED IN FINATIONAL USE THE NOT ADDRESSED CONTROL (3-93-1-Q) CONTRE ASSESSMENT. OT SON-MSC SUPERV 961-4001 COMMIT	3-93-1-Q N/L T COMPLETED: 05/04/01 S USED: SEMAT SHELL & SUPPOR IECKS COMPLETED: YES NO IPLETED: N/A	3-93-1-Q N/L T COMPLETED: 05/04/01 S USED: SEMAT SHELL & SUPPORTING STRUCTURE MR ECKS COMPLETED: YES NO (2KILO REQ) IPLETED: N/A  OMPLETED: N/A  OMPLETED: N/A  OTTION (CHOOSE ONE):  NON-OPERATIONAL REDUCED ASSESSMENT CAPABILITY COMPLETE ( KILOS TURNED IN FOR YOUR SYSTEM WILL AUTOMATION OF ADDRESSED ON A MAF/2-KILO ENCL (3-93-1-Q) CONDUCTED UNDERWATER HULL SHEL URE ASSESSMENT. CONDITION WAS SAT, NO WORK RESERVED ON MERCIAL: (757) 396-4001

APL COMPARTMENT X-SYSTEM ITEM 3-100-0-L	RIN WORK CENTER JSN N/L
DATE ASSESSMENT COMPLETED: 05/04/	01
LIST PROCEDURES USED: SEMAT SHELL	& SUPPORTING STRUCTURE MRC 1102.
OPERATIONAL CHECKS COMPLETED: YE	S NO (2KILO REQ)
REASON NOT COMPLETED: N/A	
COLD CHECKS COMPLETED: YES	NO (2KILO REQ.)
REASON NOT COMPLETED: N/A	
EQUIPMENT CONDITION (CHOOSE ONE):	
OPERATIONAL NON-OPERATIONAL	REDUCED ASSESSMENT NOT CAPABILITY COMPLETE (2K-REQ)
REFERENCED IN THIS MCA. USE THIS S	YOUR SYSTEM WILL AUTOMATICALLY BE PACE FOR OTHER COMMENTS OR NOTES ON A MAF/2-KILO
BERTH/DRESSING (3-100-0-L) CONDUCTED SUPPORT STRUCTURE ASSESSMENT. CON	
TECH: LAPP/IBBOTSON-MSC SUPERVISO	R: FRED PRAISMAN CODE: 221
PHONE (DSN ): 961-4001 COMMERC	AL: (757) 396-4001
NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS

APL COMPARTMENT X-SYSTEM ITEM 3-100-1-L	RIN WORK CENTER JSN N/L
DATE ASSESSMENT COMPLETED: 05/04/	01
LIST PROCEDURES USED: SEMAT SHELL	& SUPPORTING STRUCTURE MRC 1102.
OPERATIONAL CHECKS COMPLETED: YE	S NO (2KILO REQ)
REASON NOT COMPLETED: N/A	
COLD CHECKS COMPLETED: YES	NO (2KILO REQ.)
REASON NOT COMPLETED: N/A	
EQUIPMENT CONDITION (CHOOSE ONE):	
OPERATIONAL NON-OPERATIONAL	REDUCED ASSESSMENT NOT CAPABILITY COMPLETE (2K-REQ)
REFERENCED IN THIS MCA. USE THIS S	YOUR SYSTEM WILL AUTOMATICALLY BE PACE FOR OTHER COMMENTS OR NOTES ON A MAF/2-KILO
RCN LOUNGE (3-100-1-L) CONDUCTED UNISTRUCTURE ASSESSMENT. CONDITION W	
TECH: LAPP/IBBOTSON-MSC SUPERVISO	R: FRED PRAISMAN CODE: 221
PHONE (DSN ): 961-4001 COMMERC	IAL: (757) 396-4001
NAME OF PERSONS TRAINED:	TOTAL NUMBER OF TRAINING HOURS

APL X-SYSTEM ITEM	COMPARTMENT 3-140-2-L	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	Г COMPLETED: 05/	04/01		
LIST PROCEDURES	S USED: SEMAT SHEL	L & SUPPORT	TING STRUCTURE MRC	C 1102.
OPERATIONAL CH	ECKS COMPLETED:	YESNO	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A			
COLD CHECKS CO	MPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CONI	DITION (CHOOSE ONE	E):		
<u>OPERATIONAL</u>	NON-OPERATIONAL		ASSESSMENT COMPLETE (2	
		S SPACE FOR	F/2-KILO	
	0-2-L) CONDUCTED U SSMENT. CONDITION		R HULL SHELL AND SUI O WORK REQUIRED.	PPORT
	TSON-MSC SUPERVI			
PHONE (DSN ):	961-4001 COMMEI	RCIAL: (757	7) 396-4001	
NAME OF PERSON	S TRAINED:	TOTAL N	UMBER OF G HOURS	

APL X-SYSTEM ITEM	COMPARTMENT 3-113-0-L	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	/04/01		
LIST PROCEDURES	S USED: SEMAT SHEL	LL & SUPPORT	TING STRUCTURE MRC	1102.
OPERATIONAL CH	IECKS COMPLETED:	YESNO	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A ———			
COLD CHECKS CO	OMPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM				
EQUIPMENT CONI	DITION (CHOOSE ON	E):		
<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABIL	ASSESSMENT COMPLETE (2	
		S SPACE FOR	TEM WILL AUTOMATION OTHER COMMENTS OF E/2-KILO	
			ATER HULL SHELL ANI AS SAT, NO WORK REQ	_
TECH: LAPP/IBBO	TSON-MSC SUPERVI	ISOR: FRED P	RAISMAN CODE: 221	
PHONE (DSN ):	961-4001 COMME	RCIAL: (757	7) 396-4001	
NAME OF PERSON	S TRAINED:	TOTAL NO	UMBER OF G HOURS	

APL X-SYSTEM ITEM	COMPARTMENT 3-140-1-L	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	<b>/04/01</b>		
LIST PROCEDURE	S USED: SEMAT SHEL	LL & SUPPORT	TING STRUCTURE MRC	C 1102.
OPERATIONAL CH	IECKS COMPLETED:	YESNO_	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A ———			
COLD CHECKS CO	MPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM				
EQUIPMENT CONI	DITION (CHOOSE ONI	E):		
<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILI	ASSESSMENT COMPLETE (2	
		S SPACE FOR	TEM WILL AUTOMATION OTHER COMMENTS OF 1/2-KILO	
	L) CONDUCTED UNDE SSMENT. CONDITION		LL SHELL AND SUPPO	<u>RT</u>
	TSON-MSC SUPERVI			
PHONE (DSN ):	961-4001 COMME	RCIAL: (757	396-4001	
NAME OF PERSON	S TRAINED:	TOTAL NU	UMBER OF G HOURS	

APL X-SYSTEM ITEM	COMPARTMENT 3-144-0-L	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	/04/01		
LIST PROCEDURE	S USED: SEMAT SHEL	LL & SUPPORT	TING STRUCTURE MRC	1102.
OPERATIONAL CH	HECKS COMPLETED:	YESNO_	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A			
COLD CHECKS CO	OMPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM	IPLETED: N/A			
EQUIPMENT CON	DITION (CHOOSE ONI	E):		
OPERATIONAL	NON-OPERATIONAL	REDUCED CAPABILI	ASSESSMENT COMPLETE (2	
		S SPACE FOR	TEM WILL AUTOMATIO OTHER COMMENTS OF 7/2-KILO	
			ATER HULL SHELL ANI AS SAT, NO WORK REQ	
TECH: LAPP/IBBC	OTSON-MSC SUPERVI	ISOR: FRED P	RAISMAN CODE: 221	
PHONE (DSN ):	961-4001 COMME	RCIAL: (757	396-4001	
NAME OF PERSON	S TRAINED:	TOTAL NU	UMBER OF G HOURS	

APL X-SYSTEM ITEM	COMPARTMENT 3-156-2-Q	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	04/01		
LIST PROCEDURE	S USED: SEMAT SHEL	L & SUPPORT	ING STRUCTURE MRC	1102.
OPERATIONAL CH	IECKS COMPLETED:	YESNO_	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A ———			
COLD CHECKS CO	MPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CONI	DITION (CHOOSE ONI	Ξ):		
OPERATIONAL	NON-OPERATIONAL		ASSESSMENT COMPLETE (2)	
		S SPACE FOR (	EM WILL AUTOMATIO OTHER COMMENTS OF 2-KILO	
	56-2-Q) CONDUCTED SSMENT. CONDITION		R HULL SHELL AND SU WORK REQUIRED.	J <b>PPORT</b>
TECH: LAPP/IBBO	TSON-MSC SUPERVI	ISOR: FRED PR	RAISMAN CODE: 221	
PHONE (DSN ):	961-4001 COMME	RCIAL: (757)	396-4001	
NAME OF PERSON	S TRAINED:	TOTAL NU TRAINING		

APL X-SYSTEM ITEM	COMPARTMENT 3-154-1-O	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	04/01		
LIST PROCEDURES	S USED: SEMAT SHEL	L & SUPPORTI	NG STRUCTURE MRC	1102.
OPERATIONAL CH	ECKS COMPLETED:	YES NO	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A			
COLD CHECKS CO	MPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CONI	DITION (CHOOSE ON	E):		
<u>OPERATIONAL</u>	NON-OPERATIONAL		ASSESSMENT 1 COMPLETE (2)	
	THIS MCA. USE THIS		CM WILL AUTOMATIO THER COMMENTS OF C-KILO	
	54-1-Q) CONDUCTED SSMENT. CONDITION		HULL SHELL AND SU WORK REQUIRED.	<u>PPORT</u>
TECH: LAPP/IBBO	TSON-MSC SUPERVI	ISOR: FRED PRA	AISMAN CODE: 221	
PHONE (DSN ):	961-4001 COMME	RCIAL: (757)	396-4001	
NAME OF PERSON	S TRAINED:	TOTAL NUN TRAINING I		

X-SYSTEM ITEM	3-180-2-C	N/L	WORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	/04/01		
LIST PROCEDURE	S USED: SEMAT SHEL	LL & SUPPOR	TING STRUCTURE MRC	C <b>1102.</b>
OPERATIONAL CH	HECKS COMPLETED:	YESNO	(2KILO REQ)	
REASON NOT COM	APLETED: N/A			
COLD CHECKS CO	OMPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM				
EQUIPMENT CON	DITION (CHOOSE ON	E):		
<u>OPERATIONAL</u>	NON-OPERATIONAL		D ASSESSMENT LITY COMPLETE (2	
		S SPACE FOR	TEM WILL AUTOMATI OTHER COMMENTS O F/2-KILO	
			VATER HULL SHELL AN VAS SAT, NO WORK REC	
TECH: LAPP/IBBC	OTSON-MSC SUPERVI	ISOR: FRED I	PRAISMAN CODE: 221	
PHONE (DSN ):	961-4001 COMME	RCIAL: (75	7) 396-4001	
NAME OF PERSON	IS TRAINED:	_	UMBER OF G HOURS	

APL COMPARTMENT RIN WORK CENTER JSN X-SYSTEM ITEM 3-180-5-A N/L
DATE ASSESSMENT COMPLETED: 05/04/01
LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.
OPERATIONAL CHECKS COMPLETED: YES NO (2KILO REQ)
REASON NOT COMPLETED: N/A
COLD CHECKS COMPLETED: YES NO (2KILO REQ.)
REASON NOT COMPLETED: N/A
EQUIPMENT CONDITION (CHOOSE ONE):
OPERATIONALNON-OPERATIONALREDUCED CAPABILITYASSESSMENT NOT COMPLETE (2K-REQ)
JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE
REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED ON A MAF/2-KILO
DRY PROV STRM (3-180-5-A) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT
STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.
TECH: LAPP/IBBOTSON-MSC SUPERVISOR: FRED PRAISMAN CODE: 221
PHONE (DSN ): 961-4001 COMMERCIAL: (757) 396-4001
NAME OF PERSONS TRAINED: TOTAL NUMBER OF TRAINING HOURS

APL X-SYSTEM ITEM	COMPARTMENT 3-196-2-A	RIN V N/L	VORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	04/01		
LIST PROCEDURE	S USED: SEMAT SHEL	L & SUPPORTING	G STRUCTURE MRC	1102.
OPERATIONAL CH	IECKS COMPLETED:	YES NO	_ (2KILO REQ)	
REASON NOT COM	IPLETED: N/A ———			
COLD CHECKS CO	OMPLETED: YES	NO (2	2KILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CON	DITION (CHOOSE ONE	E):		
OPERATIONAL	NON-OPERATIONAL	REDUCED CAPABILITY		
	KILOs TURNED IN FO N THIS MCA. USE THIS NOT ADDRESS		HER COMMENTS OF	
	3-196-2-A) CONDUCTE SSMENT. CONDITION			SUPPORT
TECH: LAPP/IBBO	TSON-MSC SUPERVI	SOR: FRED PRAI	SMAN CODE: 221	
PHONE (DSN ):	961-4001 COMMEI	RCIAL: (757) 39	6-4001	
NAME OF PERSON	S TRAINED:	TOTAL NUMI		

APL X-SYSTEM ITEM	COMPARTMENT 3-328-0-A	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	/04/01		
LIST PROCEDURE	S USED: SEMAT SHEL	L & SUPPORTIN	G STRUCTURE MRC	1102.
OPERATIONAL CH	HECKS COMPLETED:	YES NO	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A			
COLD CHECKS CO	OMPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM	IPLETED: N/A			
EQUIPMENT CON	DITION (CHOOSE ONE	E):		
<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY		
	KILOs TURNED IN FO N THIS MCA. USE THIS NOT ADDRESS		HER COMMENTS OF	
	(3-328-0-A) CONDUCT URE ASSESSMENT. C			
TECH: LAPP/IBBO	TSON-MSC SUPERVI	ISOR: FRED PRA	ISMAN CODE: 221	
PHONE (DSN ):	961-4001 COMME	RCIAL: (757) 39	96-4001	
NAME OF PERSON	S TRAINED:	TOTAL NUM TRAINING H	=	

APL X-SYSTEM ITEM	COMPARTMENT 4-32-0-Q	RIN V N/L	VORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	04/01		
LIST PROCEDURE	S USED: SEMAT SHEL	L & SUPPORTING	G STRUCTURE MRC	2 1102.
OPERATIONAL CH	IECKS COMPLETED:	YES NO	_ (2KILO REQ)	
REASON NOT COM	IPLETED: N/A ———			
COLD CHECKS CO	OMPLETED: YES	NO (2	2KILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CONI	DITION (CHOOSE ON	Ε):		
OPERATIONAL	NON-OPERATIONAL	REDUCED CAPABILITY		
	KILOs TURNED IN FO N THIS MCA. USE THIS NOT ADDRESS		HER COMMENTS OF	
	(4-32-0-Q) CONDUCT URE ASSESSMENT. C			
TECH: LAPP/IBBO	TSON-MSC SUPERVI	SOR: FRED PRAIS	SMAN CODE: 221	
PHONE (DSN ):	961-4001 COMME	RCIAL: (757) 390	6-4001	
NAME OF PERSON	S TRAINED:	TOTAL NUME TRAINING HO	=	

APL X-SYSTEM ITEM	COMPARTMENT 4-48-2-L	RIN W N/L	ORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/0	04/01		
LIST PROCEDURE	S USED: SEMAT SHEL	L & SUPPORTING	STRUCTURE MRC	1102.
OPERATIONAL CH	IECKS COMPLETED:	YES NO	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A			
COLD CHECKS CO	OMPLETED: YES	NO (2	KILO REQ.)	
REASON NOT COM	IPLETED: N/A			
EQUIPMENT CONI	DITION (CHOOSE ONE	Σ):		
<u>OPERATIONAL</u>	NON-OPERATIONAL	REDUCED CAPABILITY		
	KILOs TURNED IN FO N THIS MCA. USE THIS NOT ADDRESS		ER COMMENTS O	
	) CONDUCTED UNDER SSMENT. CONDITION			<u>T</u>
TECH: LAPP/IBBO	TSON-MSC SUPERVI	SOR: FRED PRAIS	SMAN CODE: 221	
PHONE (DSN ):	961-4001 COMMEI	RCIAL: (757) 396	5-4001	
NAME OF PERSON	S TRAINED:	TOTAL NUMB TRAINING HO	=	

	RIN WORK CENTER JSN N/L
DATE ASSESSMENT COMPLETED: 05/04/0	1
LIST PROCEDURES USED: SEMAT SHELL &	SUPPORTING STRUCTURE MRC 1102.
OPERATIONAL CHECKS COMPLETED: YES	NO (2KILO REQ)
REASON NOT COMPLETED: N/A	
COLD CHECKS COMPLETED: YES	NO (2KILO REQ.)
REASON NOT COMPLETED: N/A	
EQUIPMENT CONDITION (CHOOSE ONE):	
OPERATIONAL NON-OPERATIONAL	REDUCED ASSESSMENT NOT COMPLETE (2K-REQ)
JCNs FOR MAFS/2KILOs TURNED IN FOR Y REFERENCED IN THIS MCA. USE THIS SE NOT ADDRESSED	ACE FOR OTHER COMMENTS OR NOTES
SMALL ARM MAG (4-56-0-M) CONDUCTED SUPPORT STRUCTURE ASSESSMENT. CON	
TECH: LAPP/IBBOTSON-MSC SUPERVISO	e: FRED PRAISMAN CODE: 221
PHONE (DSN ): 961-4001 COMMERCI	AL: (757) 396-4001
NAME OF PERSONS TRAINED:	TOTAL NUMBER OF FRAINING HOURS

APL X-SYSTEM ITEM	COMPARTMENT 4-64-0-Q	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	04/01		
LIST PROCEDURES	S USED: SEMAT SHEL	L & SUPPORTI	NG STRUCTURE MRC	1102.
OPERATIONAL CH	ECKS COMPLETED:	YESNO_	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A			
COLD CHECKS CO	MPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CONI	DITION (CHOOSE ON	Ξ):		
<u>OPERATIONAL</u>	NON-OPERATIONAL		ASSESSMENT I COMPLETE (21	
		S SPACE FOR O	EM WILL AUTOMATIO THER COMMENTS OF 2-KILO	
			TER HULL SHELL AND S SAT, NO WORK REQ	
	TSON-MSC SUPERVI			
PHONE (DSN ):	961-4001 COMME	RCIAL: (757)	396-4001	
NAME OF PERSON	S TRAINED:	TOTAL NUI		

APL COMPARTMENT RIN WORK CENTER JSN X-SYSTEM ITEM 4-100-0-E N/L
DATE ASSESSMENT COMPLETED: 05/04/01
LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.
OPERATIONAL CHECKS COMPLETED: YES NO (2KILO REQ)
REASON NOT COMPLETED: N/A
COLD CHECKS COMPLETED: YES NO (2KILO REQ.)
REASON NOT COMPLETED: N/A
EQUIPMENT CONDITION (CHOOSE ONE):
OPERATIONALNON-OPERATIONALREDUCED CAPABILITYASSESSMENT NOT COMPLETE (2K-REQ)
JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED ON A MAF/2-KILO
APU MCHRY RM (4-100-0-E) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.
TECH: LAPP/IBBOTSON-MSC SUPERVISOR: FRED PRAISMAN CODE: 221
PHONE (DSN ): 961-4001 COMMERCIAL: (757) 396-4001
NAME OF PERSONS TRAINED: TOTAL NUMBER OF TRAINING HOURS

APL X-SYSTEM ITEM	COMPARTMENT 5-226-2-E	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	04/01		
LIST PROCEDURES	S USED: SEMAT SHEL	L & SUPPORT	TING STRUCTURE MRC	C <b>1102.</b>
OPERATIONAL CH	ECKS COMPLETED:	YESNO	(2KILO REQ)	
REASON NOT COM	IPLETED: N/A			
COLD CHECKS CO	MPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM	IPLETED: N/A ———			
EQUIPMENT CONI	DITION (CHOOSE ONE	E):		
<u>OPERATIONAL</u>	NON-OPERATIONAL		ASSESSMENT COMPLETE (2	
		S SPACE FOR	TEM WILL AUTOMATI OTHER COMMENTS O 5/2-KILO	
	-226-2-E) CONDUCTED SSMENT. CONDITION		TER HULL SHELL AND D WORK REQUIRED.	SUPPORT
TECH: LAPP/IBBO	TSON-MSC SUPERVI	SOR: FRED P	RAISMAN CODE: 221	
PHONE (DSN ):	961-4001 COMMEI	RCIAL: (757	7) 396-4001	
NAME OF PERSON	S TRAINED:	TOTAL NO	UMBER OF G HOURS	

APL COMPARTMENT RIN WORK CENTER JSN X-SYSTEM ITEM 5-226-1-E N/L
DATE ASSESSMENT COMPLETED: 05/04/01
LIST PROCEDURES USED: SEMAT SHELL & SUPPORTING STRUCTURE MRC 1102.
OPERATIONAL CHECKS COMPLETED: YES NO (2KILO REQ)
REASON NOT COMPLETED: N/A
COLD CHECKS COMPLETED: YES NO (2KILO REQ.)
REASON NOT COMPLETED: N/A
EQUIPMENT CONDITION (CHOOSE ONE):
OPERATIONALNON-OPERATIONALREDUCED CAPABILITYASSESSMENT NOT COMPLETE (2K-REQ)
JCNs FOR MAFS/2KILOs TURNED IN FOR YOUR SYSTEM WILL AUTOMATICALLY BE REFERENCED IN THIS MCA. USE THIS SPACE FOR OTHER COMMENTS OR NOTES NOT ADDRESSED ON A MAF/2-KILO
SS DIESEL ENCL (5-226-1-E) CONDUCTED UNDERWATER HULL SHELL AND SUPPORT STRUCTURE ASSESSMENT. CONDITION WAS SAT, NO WORK REQUIRED.
TECH: LAPP/IBBOTSON-MSC SUPERVISOR: FRED PRAISMAN CODE: 221
PHONE (DSN ): 961-4001 COMMERCIAL: (757) 396-4001
NAME OF PERSONS TRAINED: TOTAL NUMBER OF TRAINING HOURS

APL X-SYSTEM ITEM	5-376-1-A	RIN N/L	WORK CENTER	JSN
DATE ASSESSMEN	T COMPLETED: 05/	/04/01		
LIST PROCEDURE	S USED: SEMAT SHEL	LL & SUPPORT	TING STRUCTURE MRC	C <b>1102.</b>
OPERATIONAL CH	HECKS COMPLETED:	YESNO	(2KILO REQ)	
REASON NOT COM				
COLD CHECKS CO	OMPLETED: YES	NO	(2KILO REQ.)	
REASON NOT COM	MPLETED: N/A ———			
EQUIPMENT CON	DITION (CHOOSE ON	E):		
<u>OPERATIONAL</u>	NON-OPERATIONAL		ASSESSMENT COMPLETE (2	
		S SPACE FOR	TEM WILL AUTOMATI OTHER COMMENTS O F/2-KILO	
	5-376-1-A) CONDUCTE SSMENT. CONDITION		TER HULL SHELL AND D WORK REQUIRED.	SUPPORT
TECH: LAPP/IBBO	OTSON-MSC SUPERVI	ISOR: FRED P	RAISMAN CODE: 221	
PHONE (DSN ):	961-4001 COMME	RCIAL: (757	7) 396-4001	
NAME OF PERSON	IS TRAINED:	TOTAL NO	UMBER OF G HOURS	

#### **USS DOYLE - FFG 39**

#### SHELL PLATING U/T ASSESSMENT

#### **ENGINEROOM**

**LOCATION: 5-250-0-E** 

#### PORT SIDE, FRAME 271 BETWEEN STRINGERS S10 AND S11:

BETWEEN STRINGERS	NORMAL THICKNESS	MIN. TOL.	ACTUAL U/T READINGS	MATERIAL LOSS
10 AND 11	.313	.235	.142, .43	.1710
10 AND 11	.313	.235	.169, .263	.144052
PORT SIDE FRA	ME 252			
ABV STRINGER 1	1 .313	.235	.184, .179	.129134
BLW STRINGER 1	.313	.235	.310, .189	.003124

#### STARBOARD SIDE, FRAME 258 TO 264 BETWEEN STRINGERS S7 AND S8:

<b>BETWEEN</b>	<b>NORMAL</b>	MIN.	<b>ACTUAL</b>	<b>MATERIAL</b>
STRINGERS	THICKNESS	TOL.	U/T READINGS	LOSS
7 AND 8	.375	.28	.197, .439	.1780
7 AND 8	.375	.28	.355, .362	.020013
7 AND 8	.375	.28	.357	.018
BETWEEN	NORMAL	MIN.	ACTUAL	MATERIAL
STRINGERS	THICKNESS	TOL.	U/T READINGS	LOSS
6 AND 7	.500	.375	.334, .471	.166029
6 AND 7	.500	.375	.508, .509	00

LOCATION	AREA	SPACE ASSESSABLE	SHELL LAGGING	MCA	MAF	INSPECT SEMAT II	HOT SPACE	COMMENTS
3-20-0-Q	CHAIN LOCKER	N	N	N	N	N	N	DID NOT INSPECT
3-32-1-K	FLAM LIQUID STRM	Y	Υ	Υ	N	Y	N	NO WORK REQUIRED
3-32-2-A	DECK GEAR LKR	Y	Υ	Υ	N	Y	N	NO WORK REQUIRED
3-36-2-T	WTRTT ESC TRUNK	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-40-2-A	CPO STOREROOM	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-46-1-A	SPEC CLOTH ROOM	Υ	Υ	N	Υ	Υ	N	MAF 05612
3-48-2-A	XO STOREROOM	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-53-2-A	CLOTH SMALL STRS	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-56-0-A	DECK GEAR STRM	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-64-2-V	VOID	N	N	N	N	N	N	REQUIRES GAS FREE
3-64-1-V	VOID	N	N	N	N	N	N	REQUIRES GAS FREE
3-84-0-E	A/C MCHRY ROOM	Υ	Υ	N	N	N	Υ	COULD NOT ACCESS
3-93-1-Q	200 MHZ ENCL	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-100-0-L	BERTH/DRESSING	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-100-1-L	RCN LOUNGE	Υ	Y	Υ	N	Υ	N	NO WORK REQUIRED
3-113-0-L	CREW WR/WC	Υ	Υ	Υ	N	Υ	Υ	NO WORK REQUIRED
3-140-2-L	RCN LOUNGE	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-140-1-L	PASSAGE	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-144-0-L	BERTH/DRESSING	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-156-2-Q	PIPING SPACE	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-154-1-Q	PIPING SPACE	Y	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-180-2-C	SWITCH GEAR RM	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED
3-180-5-A	DRY PROV STRM	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED

		SPACE	SHELL			INSPECT	НОТ	
LOCATION	AREA	ASSESSABLE	LAGGING	MCA	MAF	SEMAT II	SPACE	COMMENTS
3-196-2-A	SHIP STOREROOM	Y	Υ	Υ	Ν	Υ	N	NO WORK REQUIRED
3-236-1-F	SSDG LUBO STO #2	N	N	N	N	N	N	REQUIRE GAS FREE
3-236-2-F	SSDG LUBO STO #3	N	N	N	N	N	N	REQUIRE GAS FREE
3-240-1-F	AUX FUEL SVC TK #2	N	N	N	N	N	N	REQUIRE GAS FREE
3-240-2-F	AUX FUEL SVC TK #3	N	N	N	N	N	N	REQUIRE GAS FREE
3-272-2-F	LO STWG TK 1A	N	N	N	N	N	N	REQUIRE GAS FREE
3-278-1-F	LO SETTLING TK 1A	N	N	N	N	N	N	REQUIRE GAS FREE
3-278-2-F	LO STWG TK 1A	N	N	N	N	N	N	REQUIRE GAS FREE
3-286-2-F	LO SETLING TK 1B	N	N	N	N	N	N	REQUIRE GAS FREE
3-286-1-F	LO STWG TK 1C	N	N	N	N	N	N	REQUIRE GAS FREE
3-316-1-J	JP-5 SVC TK # 1A	N	N	N	N	N	N	REQUIRE GAS FREE
3-322-1-J	JP-5 SVC TK # 1B	N	N	N	N	N	N	REQUIRE GAS FREE
3-328-0-A	COMB SUPP STRM	Υ	Υ	Υ	N	Y	N	NO WORK REQUIRED
4-H-0-V	FORE PEAK VOID	N	N	N	N	N	N	REQUIRE GAS FREE
4-20-0-W	SUMP	N	N	N	N	N	N	REQUIRE GAS FREE
4-27-0-V	VOID	N	N	N	N	N	N	REQUIRE GAS FREE
4-32-0-Q	SONAR EQUIP RM	Υ	Υ	Υ	N	Y	N	NO WORK REQUIRED
4-48-2-L	PASSAGE	Y	Υ	Υ	N	Y	N	NO WORK REQUIRED
4-48-1-Q	SONAR COOLING	Υ	Υ	N	N	Y	Υ	NO WORK REQUIRED
4-56-2-A	DECK GEAR STRM	Y	Υ	N	N	N	N	COULD NOT ACCESS
4-56-0-M	SMALL ARM MAG	Y	Y	Υ	N	Y	N	NO WORK REQUIRED
4-64-0-Q	MAG SVC RM	Υ	Υ	Υ	N	Y	N	NO WORK REQUIRED
4-100-0-E	APU MCHRY RM	Y	Υ	Υ	N	Y	N	NO WORK REQUIRED

LOCATION	AREA	SPACE ASSESSABLE	SHELL LAGGING	MCA	MAF	INSPECT SEMAT II	HOT SPACE	COMMENTS
4-140-0-Q	LAUNDRY	Υ	Y	N	Υ	Y	Y	MAF 05607
4-140-2-A	LAUNDRY STRM	Υ	N	N	Υ	Y	Υ	MAF 012634
4-140-3-A	LAUNDRY STRM	Υ	N	N	N	Y	N	NO WORK REQUIRED
4-152-1-A	CHEM WFARE DEF	Υ	N	N	Υ	Υ	N	MAF 012391
4-160-0-Q	SEWAGE COLLECT	Υ	N	N	Υ	Y	N	MAF 012642
4-172-1-E	FIRE PUMP ROOM	Υ	Υ	N	Υ	Y	Υ	MAF 05611
5-FF-0-V	INACCESSIBLE VOID	N	N	N	N	N	N	REQUIRE GAS FREE
5-32-0-W	CLEAN BALLAST TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-51-0-Q	EDUCTOR ROOM	Υ	N	N	Υ	Υ	N	MAF 012629 & 012630
5-56-0-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-64-0-F	FUEL OVFL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-84-2-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-84-1-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-100-2-W	APU WELL #2	N	Υ	N	N	N	N	COULD NOT ACCESS
5-100-1-W	APU WELL #1	N	Υ	N	N	N	N	COULD NOT ACCESS
5-100-4-F	FUEL BALLAST OVFL	N	N	N	N	N	N	REQUIRE GAS FREE
5-100-3-F	FUEL BALLAST TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-116-2-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-116-1-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-116-0-V	CLEAN BALLAST TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-132-0-F	CONT OIL SETTL	N	N	N	N	N	N	REQUIRE GAS FREE
5-137-1-T	OT UNDERWATER LOG	N	N	N	N	N	N	REQUIRE GAS FREE
5-140-2-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE

LOCATION	AREA	SPACE ASSESSABLE	SHELL LAGGING	МСА	MAF	INSPECT SEMAT II	HOT SPACE	COMMENTS
5-140-1-F	FUEL OVFL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-164-0-F	OILY WASTE HLDG	N	N	N	N	N	N	REQUIRE GAS FREE
5-164-2-F	FUEL TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-170-0-F	WASTE OIL RETURN	N	N	N	N	N	N	REQUIRE GAS FREE
5-180-0-E	AUX MCHRY #1	Υ	Υ	N	Υ	Y	Υ	MAF 012631
5-180-01-E	SS DIESEL ENCL	Y	Υ	N	N	Y	N	NO WORK REQUIRED
5-192-2-F	OILY WASTE DR #1	N	N	N	N	N	N	REQUIRE GAS FREE
5-201-1-F	FUEL TANK	N	N	N	N	N	N	REQUIRE GAS FREE
5-201-3-F	FUEL TANK	N	N	N	N	N	N	REQUIRE GAS FREE
5-204-2-F	SVC TANK	N	N	N	N	N	N	REQUIRE GAS FREE
5-204-1-F	SVC TANK	N	N	N	N	N	N	REQUIRE GAS FREE
5-212-0-E	AUX MCHRY #2	Υ	Υ	N	Υ	Y	Υ	MAF 05610
5-220-2-W	WASTE WTR DR #2	N	N	N	N	N	N	REQUIRE GAS FREE
5-222-1-F	OILY WASTE DR #2	N	N	N	N	N	N	REQUIRE GAS FREE
5-226-2-E	SS DIESEL ENCL	Υ	Υ	Υ	N	Y	N	NO WORK REQUIRED
5-226-1-E	SS DIESEL ENCL	Υ	Υ	Υ	N	Y	N	NO WORK REQUIRED
5-250-0-E	ENGINE ROOM	Y	Υ	N	Υ	Y	Υ	MAF 05616,012734, 05614 & 05613
5-250-1-F	FUEL BALLAST TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-250-2-E	FUEL OVFL BALLAST	N	N	N	N	N	N	REQUIRE GAS FREE
5-270-0-F	CP PROP HYD SUMP	N	N	N	N	N	N	REQUIRE GAS FREE
5-276-0-F	L.O SUM P TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-290-2-F	FUEL TANK	N	N	N	N	N	N	REQUIRE GAS FREE
5-292-0-E	AUX MCHRY RM #3	Υ	Υ	Υ	Υ	Υ	Υ	MAF 05617 & 012644

LOCATION	ADEA	SPACE	SHELL	MCA		INSPECT	HOT	COMMENTS
LOCATION	AREA	ASSESSABLE	LAGGING	MCA	MAF	SEMAT II	SPACE	COMMENTS
5-292-1-W	POTABLE WATER TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-292-2-W	POTABLE WATER TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-292-3-W	POTABLE WATER TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-308-2-W	POTABLE WATER TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-308-1-W	POTABLE WATER TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-328-2-W	CLEAN BALLAST TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-328-1-W	CLEAN BALLAST TK	N	N	N	N	N	N	REQUIRE GAS FREE
5-344-0-J	JP-5 TANK	N	N	N	N	N	N	REQUIRE GAS FREE
5-368-0-V	VOID	N	N	N	N	N	N	REQUIRE GAS FREE
5-386-0-V	INACC VOID	N	N	N	N	N	N	INACCESSIBLE VOID
5-392-0-V	VOID	N	N	N	N	N	N	REQUIRE GAS FREE
5-368-01-E	STRG GEAR RM	Y	Υ	N	N	Υ	N	LIMITED ACCESS
5-376-1-A	BOSN STRM	Υ	Υ	Υ	N	Υ	N	NO WORK REQUIRED